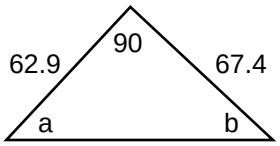
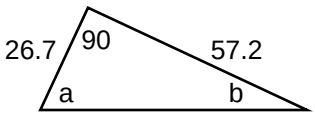
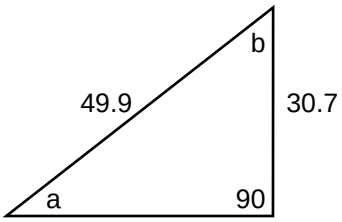
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



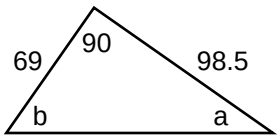
92.2



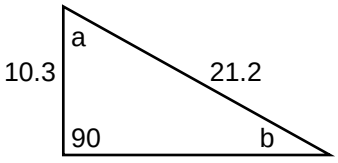
63.1



39.3



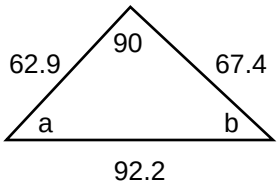
120.3



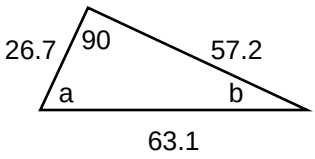
18.5

Answer Key

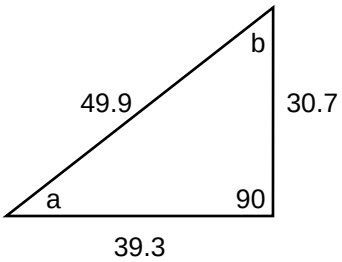
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



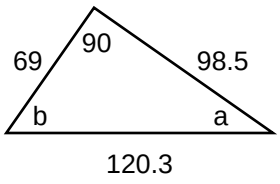
a = acos(62.9 / 92.2) b = acos(67.4 / 92.2)
a = asin(67.4 / 92.2) b = asin(62.9 / 92.2)
a = atan(67.4 / 62.9) b = atan(62.9 / 67.4)
a = 47° b = 43°



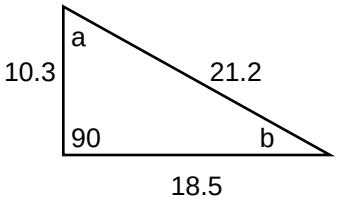
a = acos(26.7 / 63.1) b = acos(57.2 / 63.1)
a = asin(57.2 / 63.1) b = asin(26.7 / 63.1)
a = atan(57.2 / 26.7) b = atan(26.7 / 57.2)
a = 65° b = 25°



a = acos(39.3 / 49.9) b = acos(30.7 / 49.9)
a = asin(30.7 / 49.9) b = asin(39.3 / 49.9)
a = atan(30.7 / 39.3) b = atan(39.3 / 30.7)
a = 38° b = 52°

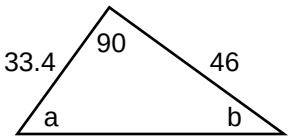


a = acos(98.5 / 120.3) b = acos(69 / 120.3)
a = asin(69 / 120.3) b = asin(98.5 / 120.3)
a = atan(69 / 98.5) b = atan(98.5 / 69)
a = 35° b = 55°

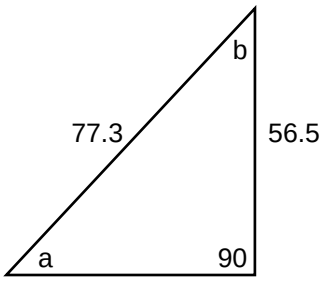


a = acos(10.3 / 21.2) b = acos(18.5 / 21.2)
a = asin(18.5 / 21.2) b = asin(10.3 / 21.2)
a = atan(18.5 / 10.3) b = atan(10.3 / 18.5)
a = 61° b = 29°

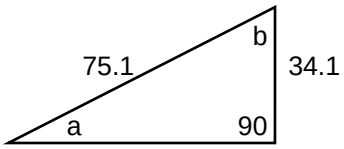
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



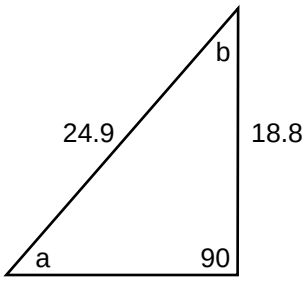
56.9



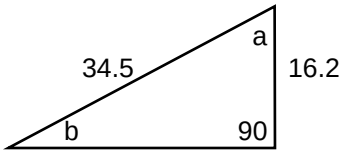
52.7



66.9



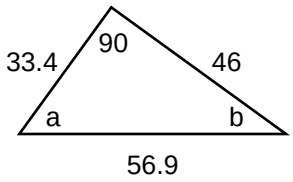
16.3



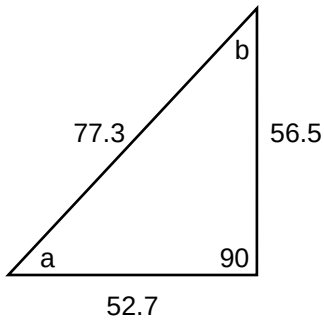
30.5

Answer Key

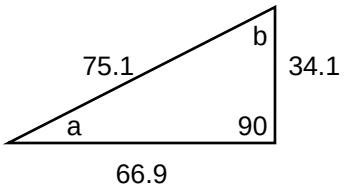
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



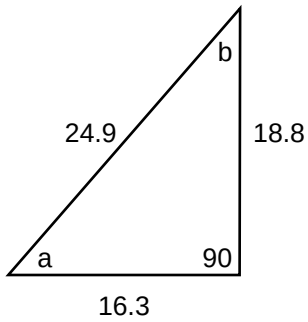
a = acos(33.4 / 56.9) b = acos(46 / 56.9)
a = asin(46 / 56.9) b = asin(33.4 / 56.9)
a = atan(46 / 33.4) b = atan(33.4 / 46)
a = 54° b = 36°



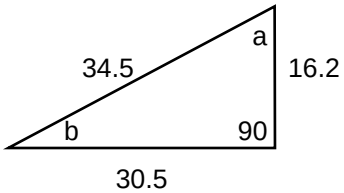
a = acos(52.7 / 77.3) b = acos(56.5 / 77.3)
a = asin(56.5 / 77.3) b = asin(52.7 / 77.3)
a = atan(56.5 / 52.7) b = atan(52.7 / 56.5)
a = 47° b = 43°



a = acos(66.9 / 75.1) b = acos(34.1 / 75.1)
a = asin(34.1 / 75.1) b = asin(66.9 / 75.1)
a = atan(34.1 / 66.9) b = atan(66.9 / 34.1)
a = 27° b = 63°

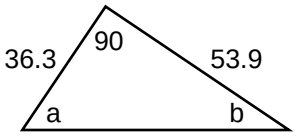


a = acos(16.3 / 24.9) b = acos(18.8 / 24.9)
a = asin(18.8 / 24.9) b = asin(16.3 / 24.9)
a = atan(18.8 / 16.3) b = atan(16.3 / 18.8)
a = 49° b = 41°

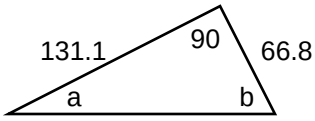


a = acos(16.2 / 34.5) b = acos(30.5 / 34.5)
a = asin(30.5 / 34.5) b = asin(16.2 / 34.5)
a = atan(30.5 / 16.2) b = atan(16.2 / 30.5)
a = 62° b = 28°

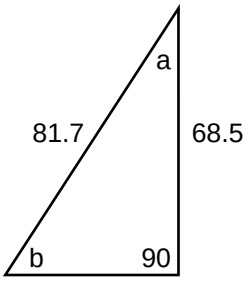
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



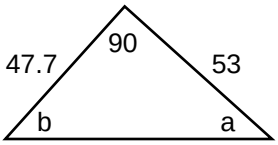
65



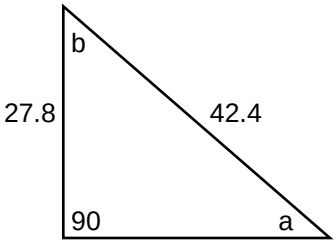
147.1



44.5



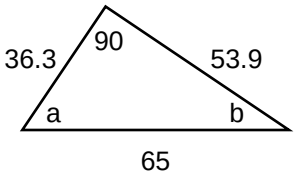
71.3



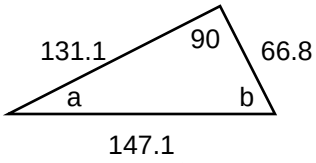
32

Answer Key

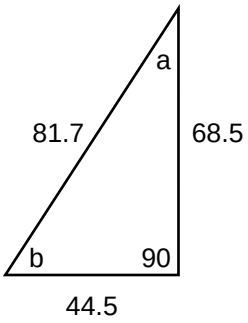
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



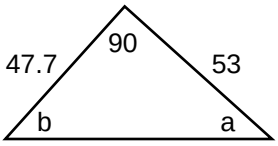
a = acos(36.3 / 65) b = acos(53.9 / 65)
a = asin(53.9 / 65) b = asin(36.3 / 65)
a = atan(53.9 / 36.3) b = atan(36.3 / 53.9)
a = 56° b = 34°



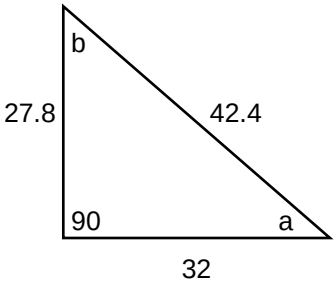
a = acos(131.1 / 147.1) b = acos(66.8 / 147.1)
a = asin(66.8 / 147.1) b = asin(131.1 / 147.1)
a = atan(66.8 / 131.1) b = atan(131.1 / 66.8)
a = 27° b = 63°



a = acos(68.5 / 81.7) b = acos(44.5 / 81.7)
a = asin(44.5 / 81.7) b = asin(68.5 / 81.7)
a = atan(44.5 / 68.5) b = atan(68.5 / 44.5)
a = 33° b = 57°

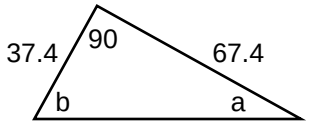


a = acos(53 / 71.3) b = acos(47.7 / 71.3)
a = asin(47.7 / 71.3) b = asin(53 / 71.3)
a = atan(47.7 / 53) b = atan(53 / 47.7)
a = 42° b = 48°

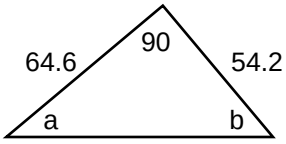


a = acos(32 / 42.4) b = acos(27.8 / 42.4)
a = asin(27.8 / 42.4) b = asin(32 / 42.4)
a = atan(27.8 / 32) b = atan(32 / 27.8)
a = 41° b = 49°

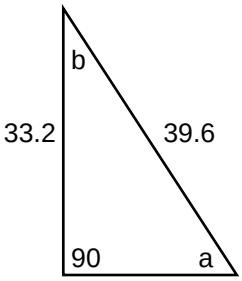
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



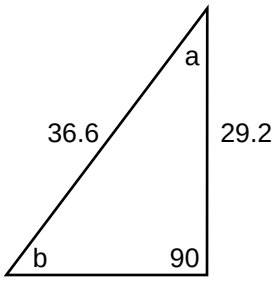
77.1



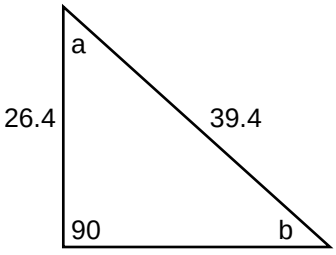
84.3



21.6



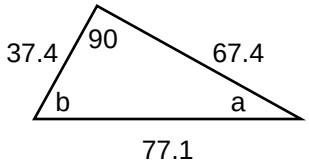
22



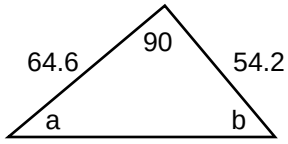
29.3

Answer Key

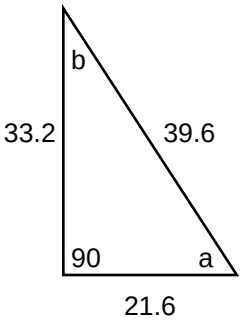
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



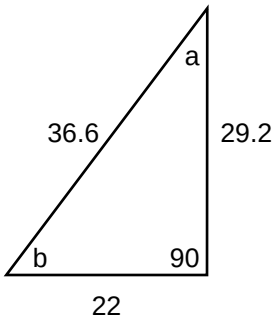
a = acos(67.4 / 77.1) b = acos(37.4 / 77.1)
a = asin(37.4 / 77.1) b = asin(67.4 / 77.1)
a = atan(37.4 / 67.4) b = atan(67.4 / 37.4)
a = 29° b = 61°



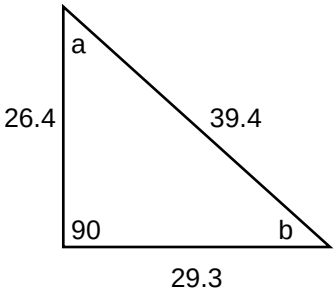
a = acos(64.6 / 84.3) b = acos(54.2 / 84.3)
a = asin(54.2 / 84.3) b = asin(64.6 / 84.3)
a = atan(54.2 / 64.6) b = atan(64.6 / 54.2)
a = 40° b = 50°



a = acos(21.6 / 39.6) b = acos(33.2 / 39.6)
a = asin(33.2 / 39.6) b = asin(21.6 / 39.6)
a = atan(33.2 / 21.6) b = atan(21.6 / 33.2)
a = 57° b = 33°

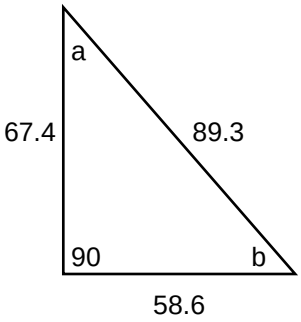


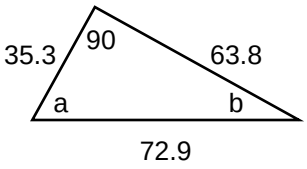
a = acos(29.2 / 36.6) b = acos(22 / 36.6)
a = asin(22 / 36.6) b = asin(29.2 / 36.6)
a = atan(22 / 29.2) b = atan(29.2 / 22)
a = 37° b = 53°

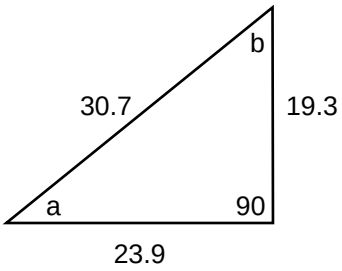


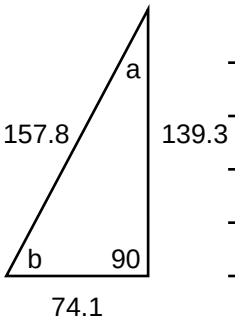
a = acos(26.4 / 39.4) b = acos(29.3 / 39.4)
a = asin(29.3 / 39.4) b = asin(26.4 / 39.4)
a = atan(29.3 / 26.4) b = atan(26.4 / 29.3)
a = 48° b = 42°

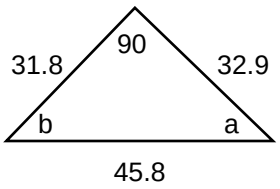
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.





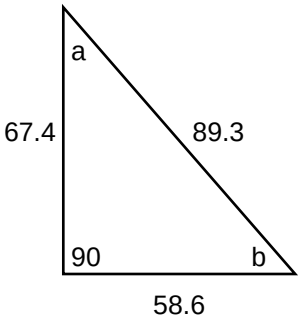




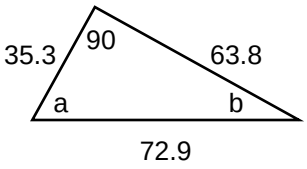


Answer Key

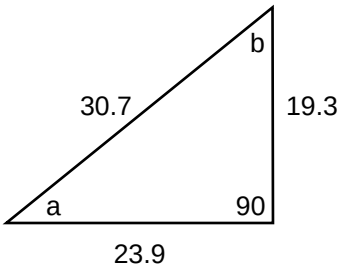
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



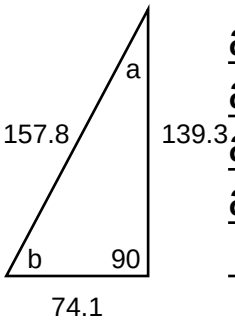
a = acos(67.4 / 89.3) b = acos(58.6 / 89.3)
a = asin(58.6 / 89.3) b = asin(67.4 / 89.3)
a = atan(58.6 / 67.4) b = atan(67.4 / 58.6)
a = 41° b = 49°



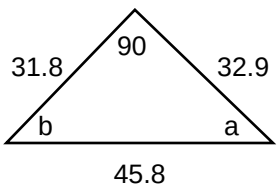
a = acos(35.3 / 72.9) b = acos(63.8 / 72.9)
a = asin(63.8 / 72.9) b = asin(35.3 / 72.9)
a = atan(63.8 / 35.3) b = atan(35.3 / 63.8)
a = 61° b = 29°



a = acos(23.9 / 30.7) b = acos(19.3 / 30.7)
a = asin(19.3 / 30.7) b = asin(23.9 / 30.7)
a = atan(19.3 / 23.9) b = atan(23.9 / 19.3)
a = 39° b = 51°

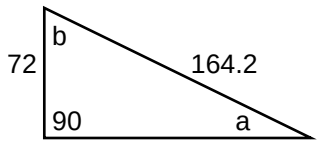


a = acos(139.3 / 157.8) b = acos(74.1 / 157.8)
a = asin(74.1 / 157.8) b = asin(139.3 / 157.8)
a = atan(74.1 / 139.3) b = atan(139.3 / 74.1)
a = 28° b = 62°

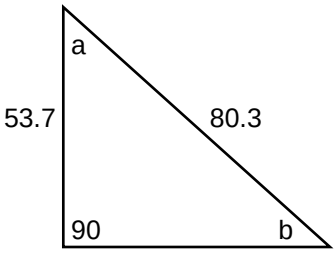


a = acos(32.9 / 45.8) b = acos(31.8 / 45.8)
a = asin(31.8 / 45.8) b = asin(32.9 / 45.8)
a = atan(31.8 / 32.9) b = atan(32.9 / 31.8)
a = 44° b = 46°

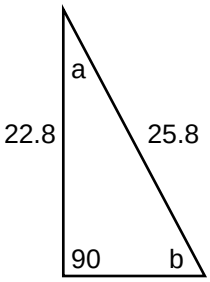
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



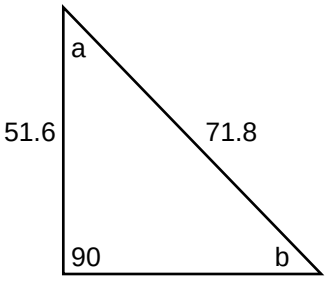
147.6



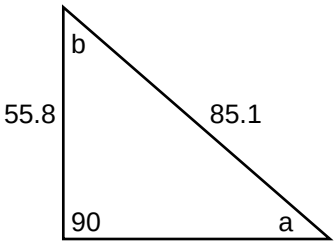
59.7



12.1



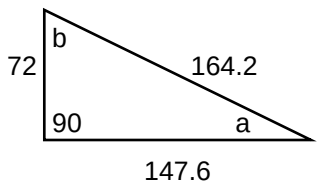
49.9



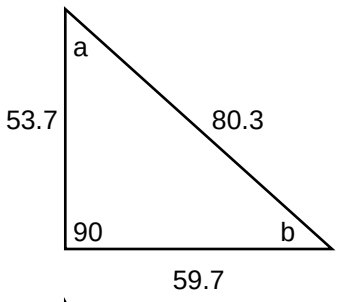
64.2

Answer Key

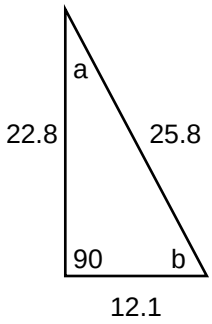
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



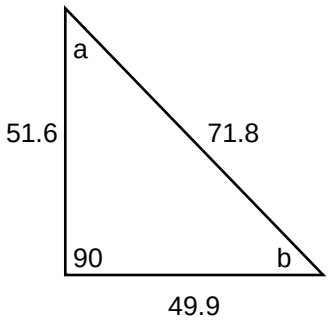
a = acos(147.6 / 164.2) b = acos(72 / 164.2)
a = asin(72 / 164.2) b = asin(147.6 / 164.2)
a = atan(72 / 147.6) b = atan(147.6 / 72)
a = 26° b = 64°



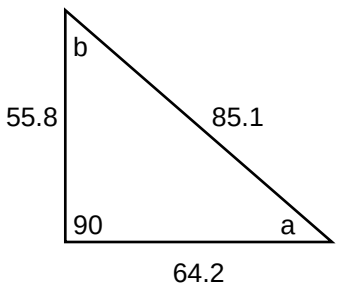
a = acos(53.7 / 80.3) b = acos(59.7 / 80.3)
a = asin(59.7 / 80.3) b = asin(53.7 / 80.3)
a = atan(59.7 / 53.7) b = atan(53.7 / 59.7)
a = 48° b = 42°



a = acos(22.8 / 25.8) b = acos(12.1 / 25.8)
a = asin(12.1 / 25.8) b = asin(22.8 / 25.8)
a = atan(12.1 / 22.8) b = atan(22.8 / 12.1)
a = 28° b = 62°

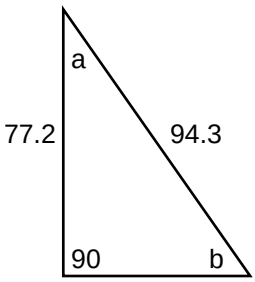


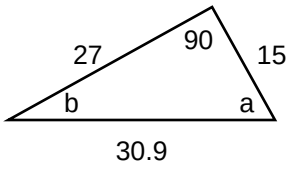
a = acos(51.6 / 71.8) b = acos(49.9 / 71.8)
a = asin(49.9 / 71.8) b = asin(51.6 / 71.8)
a = atan(49.9 / 51.6) b = atan(51.6 / 49.9)
a = 44° b = 46°

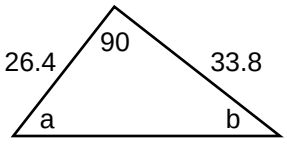


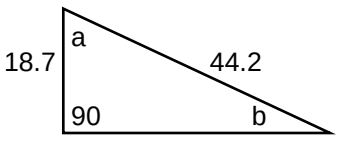
a = acos(64.2 / 85.1) b = acos(55.8 / 85.1)
a = asin(55.8 / 85.1) b = asin(64.2 / 85.1)
a = atan(55.8 / 64.2) b = atan(64.2 / 55.8)
a = 41° b = 49°

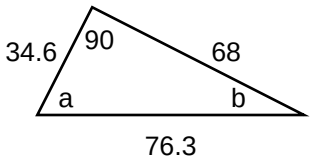
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.





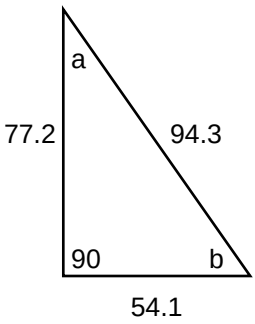




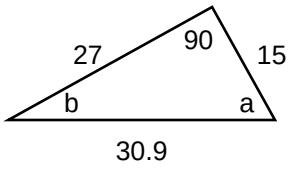


Answer Key

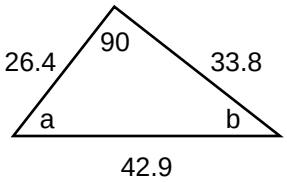
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



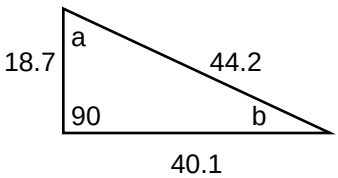
a = acos(77.2 / 94.3)	b = acos(54.1 / 94.3)
a = asin(54.1 / 94.3)	b = asin(77.2 / 94.3)
a = atan(54.1 / 77.2)	b = atan(77.2 / 54.1)
a = 35°	b = 55°



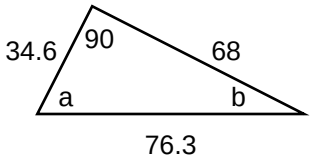
a = acos(15 / 30.9)	b = acos(27 / 30.9)
a = asin(27 / 30.9)	b = asin(15 / 30.9)
a = atan(27 / 15)	b = atan(15 / 27)
a = 61°	b = 29°



a = acos(26.4 / 42.9)	b = acos(33.8 / 42.9)
a = asin(33.8 / 42.9)	b = asin(26.4 / 42.9)
a = atan(33.8 / 26.4)	b = atan(26.4 / 33.8)
a = 52°	b = 38°

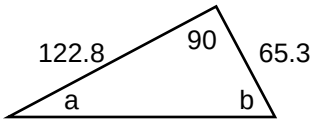


a = acos(18.7 / 44.2)	b = acos(40.1 / 44.2)
a = asin(40.1 / 44.2)	b = asin(18.7 / 44.2)
a = atan(40.1 / 18.7)	b = atan(18.7 / 40.1)
a = 65°	b = 25°

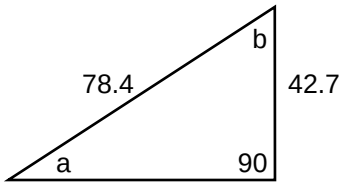


a = acos(34.6 / 76.3)	b = acos(68 / 76.3)
a = asin(68 / 76.3)	b = asin(34.6 / 76.3)
a = atan(68 / 34.6)	b = atan(34.6 / 68)
a = 63°	b = 27°

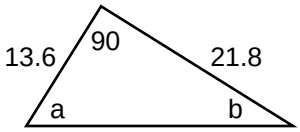
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



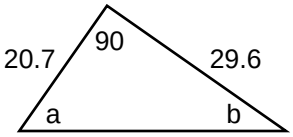
139.1



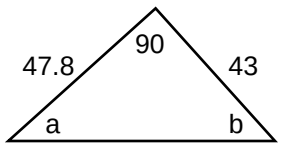
65.8



25.7



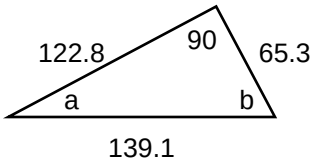
36.1



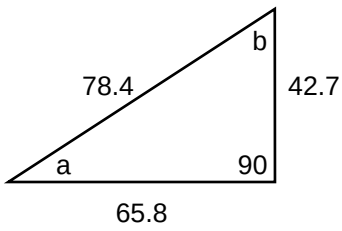
64.3

Answer Key

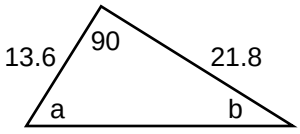
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



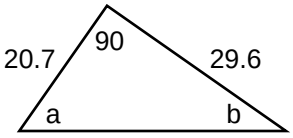
a = acos(122.8 / 139.1) b = acos(65.3 / 139.1)
a = asin(65.3 / 139.1) b = asin(122.8 / 139.1)
a = atan(65.3 / 122.8) b = atan(122.8 / 65.3)
a = 28° b = 62°



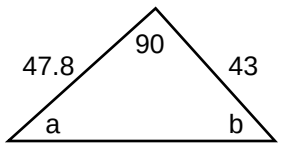
a = acos(65.8 / 78.4) b = acos(42.7 / 78.4)
a = asin(42.7 / 78.4) b = asin(65.8 / 78.4)
a = atan(42.7 / 65.8) b = atan(65.8 / 42.7)
a = 33° b = 57°



a = acos(13.6 / 25.7) b = acos(21.8 / 25.7)
a = asin(21.8 / 25.7) b = asin(13.6 / 25.7)
a = atan(21.8 / 13.6) b = atan(13.6 / 21.8)
a = 58° b = 32°

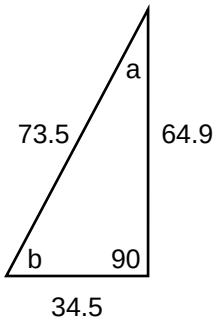


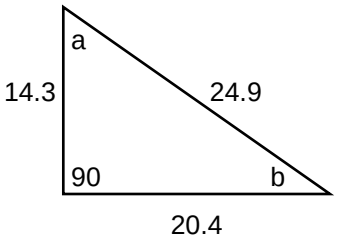
a = acos(20.7 / 36.1) b = acos(29.6 / 36.1)
a = asin(29.6 / 36.1) b = asin(20.7 / 36.1)
a = atan(29.6 / 20.7) b = atan(20.7 / 29.6)
a = 55° b = 35°

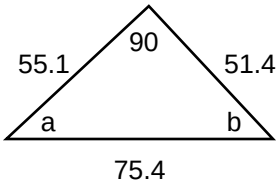


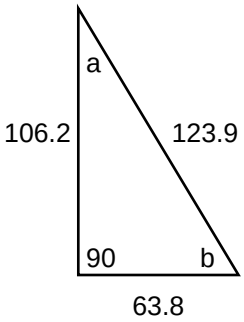
a = acos(47.8 / 64.3) b = acos(43 / 64.3)
a = asin(43 / 64.3) b = asin(47.8 / 64.3)
a = atan(43 / 47.8) b = atan(47.8 / 43)
a = 42° b = 48°

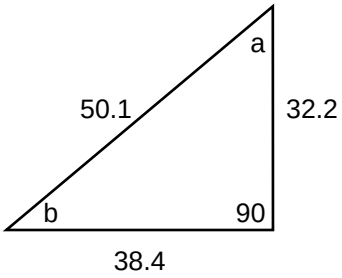
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.





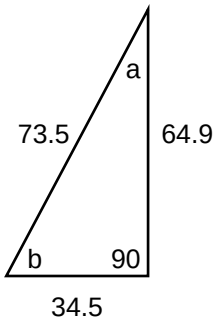




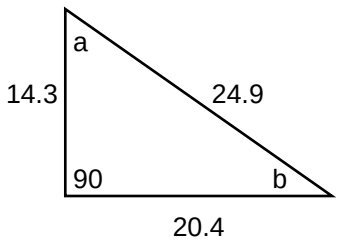


Answer Key

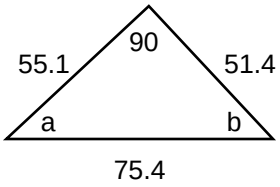
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



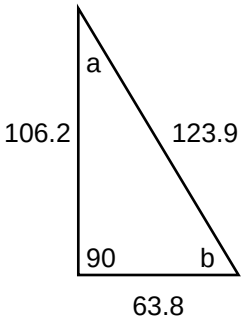
a = acos(64.9 / 73.5) b = acos(34.5 / 73.5)
a = asin(34.5 / 73.5) b = asin(64.9 / 73.5)
a = atan(34.5 / 64.9) b = atan(64.9 / 34.5)
a = 28° b = 62°



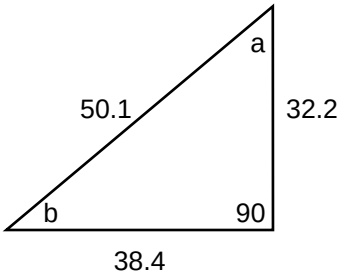
a = acos(14.3 / 24.9) b = acos(20.4 / 24.9)
a = asin(20.4 / 24.9) b = asin(14.3 / 24.9)
a = atan(20.4 / 14.3) b = atan(14.3 / 20.4)
a = 55° b = 35°



a = acos(55.1 / 75.4) b = acos(51.4 / 75.4)
a = asin(51.4 / 75.4) b = asin(55.1 / 75.4)
a = atan(51.4 / 55.1) b = atan(55.1 / 51.4)
a = 43° b = 47°

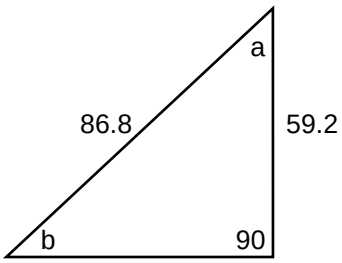


a = acos(106.2 / 123.9) b = acos(63.8 / 123.9)
a = asin(63.8 / 123.9) b = asin(106.2 / 123.9)
a = atan(63.8 / 106.2) b = atan(106.2 / 63.8)
a = 31° b = 59°

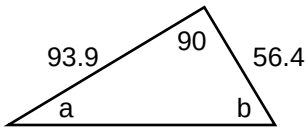


a = acos(32.2 / 50.1) b = acos(38.4 / 50.1)
a = asin(38.4 / 50.1) b = asin(32.2 / 50.1)
a = atan(38.4 / 32.2) b = atan(32.2 / 38.4)
a = 50° b = 40°

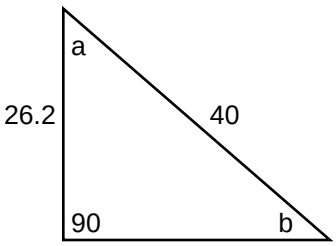
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



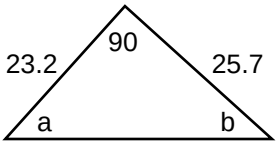
63.5



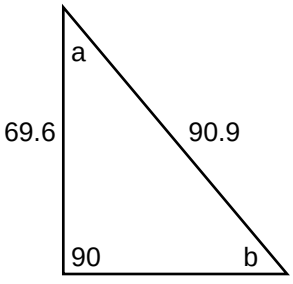
109.5



30.2



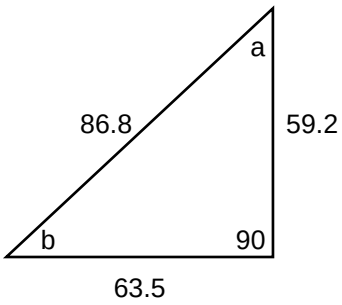
34.6



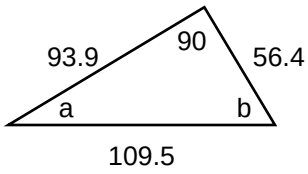
58.4

Answer Key

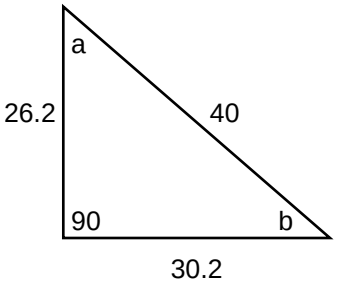
Find the measures of the unknown angles. Round to the nearest whole degree.
Angle measures are in degrees.



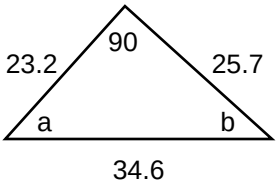
a = acos(59.2 / 86.8) b = acos(63.5 / 86.8)
a = asin(63.5 / 86.8) b = asin(59.2 / 86.8)
a = atan(63.5 / 59.2) b = atan(59.2 / 63.5)
a = 47° b = 43°



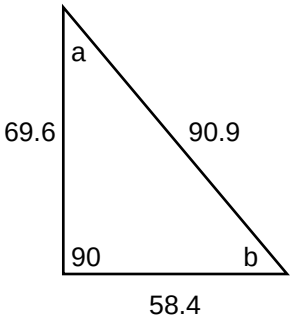
a = acos(93.9 / 109.5) b = acos(56.4 / 109.5)
a = asin(56.4 / 109.5) b = asin(93.9 / 109.5)
a = atan(56.4 / 93.9) b = atan(93.9 / 56.4)
a = 31° b = 59°



a = acos(26.2 / 40) b = acos(30.2 / 40)
a = asin(30.2 / 40) b = asin(26.2 / 40)
a = atan(30.2 / 26.2) b = atan(26.2 / 30.2)
a = 49° b = 41°



a = acos(23.2 / 34.6) b = acos(25.7 / 34.6)
a = asin(25.7 / 34.6) b = asin(23.2 / 34.6)
a = atan(25.7 / 23.2) b = atan(23.2 / 25.7)
a = 48° b = 42°



a = acos(69.6 / 90.9) b = acos(58.4 / 90.9)
a = asin(58.4 / 90.9) b = asin(69.6 / 90.9)
a = atan(58.4 / 69.6) b = atan(69.6 / 58.4)
a = 40° b = 50°

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