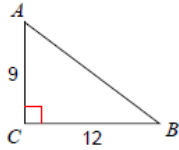


Solving Right Triangles ... Set 2

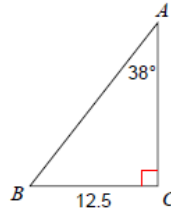
Worksheet #2 - Solving Right Triangles

Solve each triangle. Round answers to the nearest tenth.

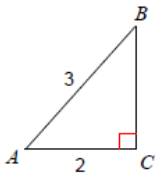
1)



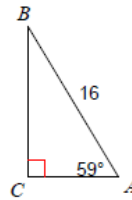
2)



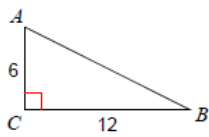
3)



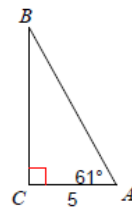
4)



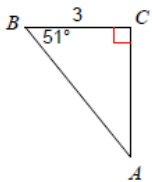
5)



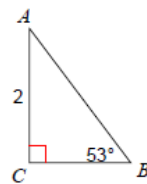
6)



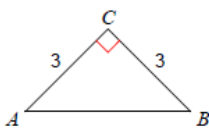
7)



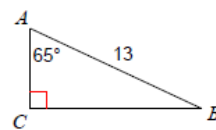
8)



9)



10)



Solving Right Triangles ... Set 2

Answers

1) $m\angle A = 53.1^\circ$, $m\angle B = 36.9^\circ$, $c = 15$

3) $m\angle A = 48.2^\circ$, $m\angle B = 41.8^\circ$, $a = 2.2$

5) $m\angle A = 63.4^\circ$, $m\angle B = 26.6^\circ$, $c = 13.4$

7) $m\angle A = 39^\circ$, $b = 3.7$, $c = 4.8$

9) $m\angle A = 45^\circ$, $m\angle B = 45^\circ$, $c = 4.2$

2) $m\angle B = 52^\circ$, $b = 16$, $c = 20.3$

4) $m\angle B = 31^\circ$, $b = 8.2$, $a = 13.7$

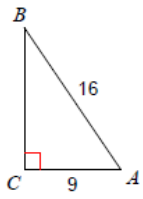
6) $m\angle B = 29^\circ$, $a = 9$, $c = 10.3$

8) $m\angle A = 37^\circ$, $a = 1.5$, $c = 2.5$

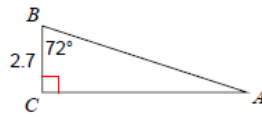
10) $m\angle B = 25^\circ$, $a = 11.8$, $b = 5.5$

Solving Right Triangles ... Set 2

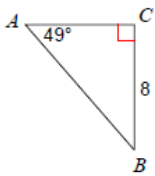
11)



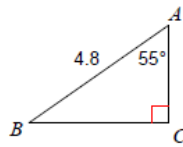
12)



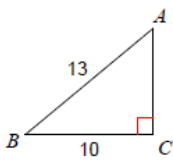
13)



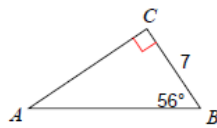
14)



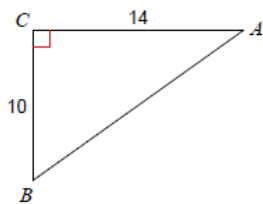
15)



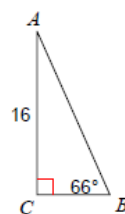
16)



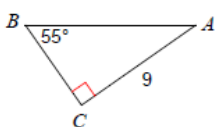
17)



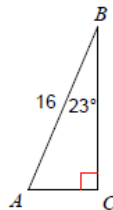
18)



19)



20)



Solving Right Triangles ... Set 2

Answers

11) $m\angle B = 34.2^\circ$, $m\angle A = 55.8^\circ$, $a = 13.2$

12) $m\angle A = 18^\circ$, $b = 8.3$, $c = 8.7$

13) $m\angle B = 41^\circ$, $b = 7$, $c = 10.6$ 14) $m\angle B = 35^\circ$, $b = 2.8$, $a = 3.9$

15) $m\angle B = 39.7^\circ$, $m\angle A = 50.3^\circ$, $b = 8.3$

16) $m\angle A = 34^\circ$, $b = 10.4$, $c = 12.5$

17) $m\angle B = 54.5^\circ$, $m\angle A = 35.5^\circ$, $c = 17.2$

18) $m\angle A = 24^\circ$, $a = 7.1$, $c = 17.5$

19) $m\angle A = 35^\circ$, $a = 6.3$, $c = 11$

20) $m\angle A = 67^\circ$, $a = 14.7$, $b = 6.3$