

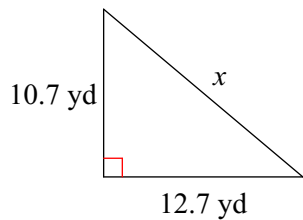
Chapter 7 Review

Name _____

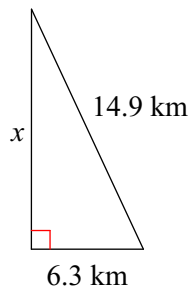
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Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

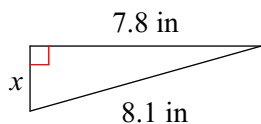
1)



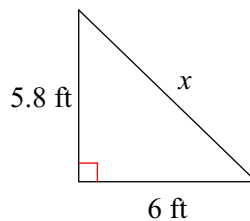
2)



3)

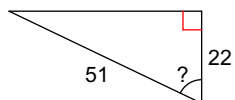


4)

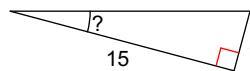


Find the measure of the indicated angle to the nearest degree.

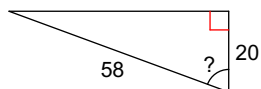
5)



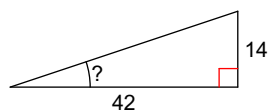
6)



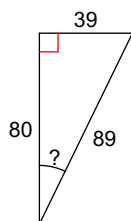
7)



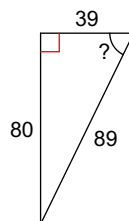
8)



9)

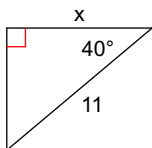


10)

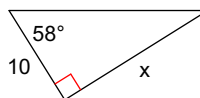


Find the missing side. Round to the nearest tenth.

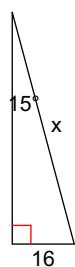
11)



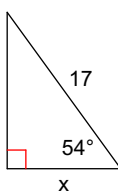
12)



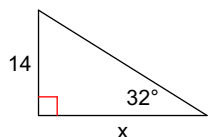
13)



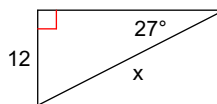
14)



15)



16)



17) Jimmy is 30m away from a tree. The angle of elevation to the top of the tree is 40° . Determine the height of the tree.

18) Jimmy is standing on top of a building. 15m away there is another building. The angle of depression to the bottom of the other building is 52° . The angle of elevation to the top of the other building is 23° . Determine the heights of the buildings.

Answers to Chapter 7 Review

- | | | | |
|----------------|---------------------------------------------|---------------|---------------|
| 1) 16.6 yd | 2) 13.5 km | 3) 2.2 in | 4) 8.3 ft |
| 5) 64° | 6) 15° | 7) 70° | 8) 18° |
| 9) 26° | 10) 64° | 11) 8.4 | 12) 16.0 |
| 13) 61.8 | 14) 10.0 | 15) 22.4 | 16) 26.4 |
| 17) 25.2m high | 18) small = 19.2m high
tall = 25.6m high | | |