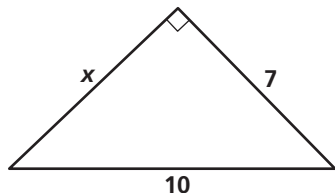


Practice 8-1

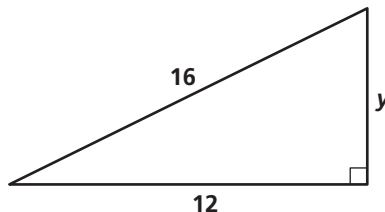
The Pythagorean Theorem and Its Converse

Find the value of each variable. Leave your answers in simplest radical form.

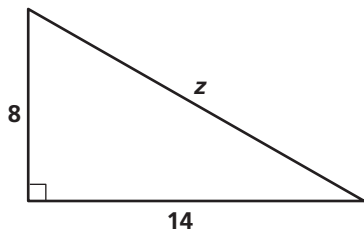
1.



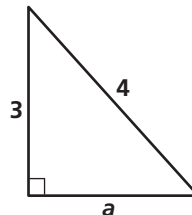
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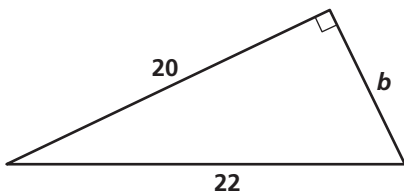
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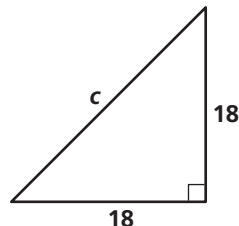
4.



5.

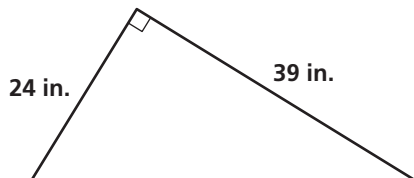


6.

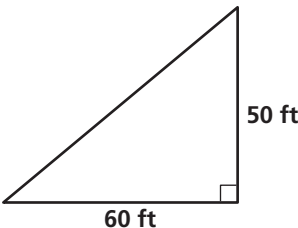


Find the length of each hypotenuse. Use your calculator, and round your answers to the nearest whole number.

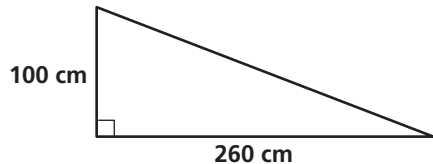
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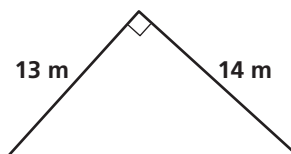
8.



9.



10.



The numbers represent the lengths of the sides of a triangle. Classify each triangle as *acute*, *obtuse*, or *right*.

11. 6, 9, 10

12. 18, 24, 30

13. 20, 100, 110

14. 7, 24, 25

15. 2, 5, 6

16. 13, 21, 24