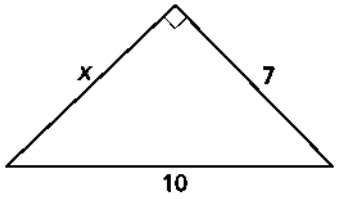
Name_____ Class_____ Date_____

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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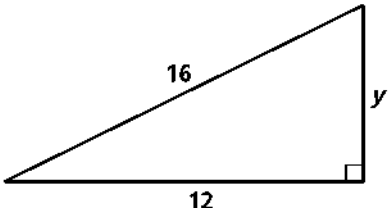

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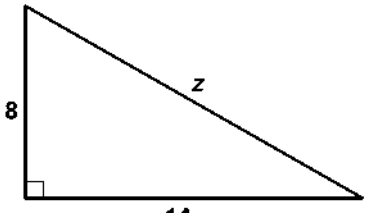

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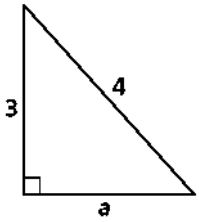

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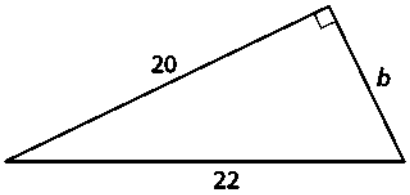

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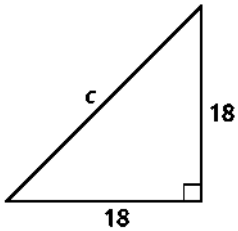
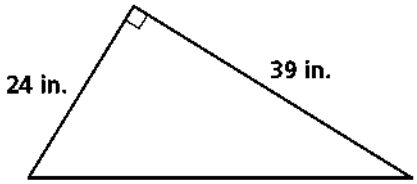


Find the length of each hypotenuse. Use your calculator, and round your answers to the nearest whole number.

7.



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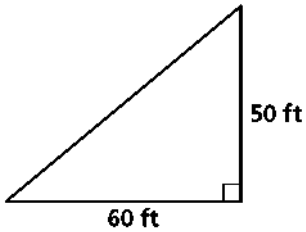

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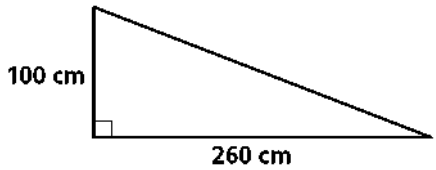

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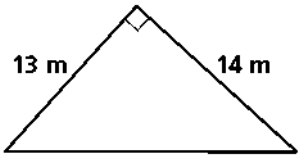

The numbers represent the lengths of the sides of a triangle. Classify each triangle as *acute, obtuse,* or *right.*

11. 6, 9, 10

12. 18, 24, 30

13. 20, 100, 110

14. 7, 24, 25

15. 2, 5, 6

16. 13, 21, 24

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