Name _____ Date _____

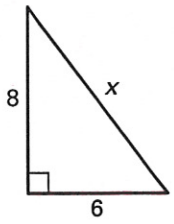
LESSON 7.1

# Practice A

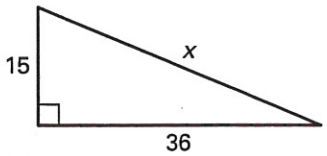
*For use with the lesson "Apply the Pythagorean Theorem"*

**Find the length of the hypotenuse of the right triangle.**

**1.**




**2.**

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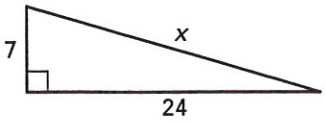


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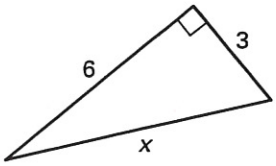


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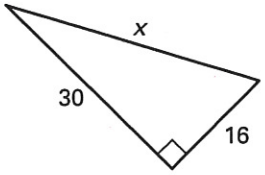


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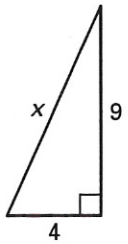
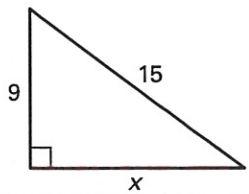
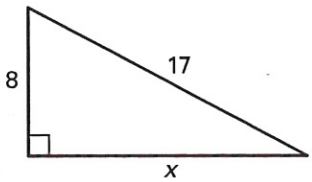



**Find the unknown leg length *x*.**

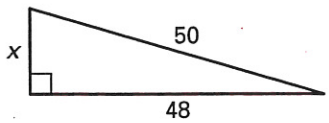
**7.**




**8.**

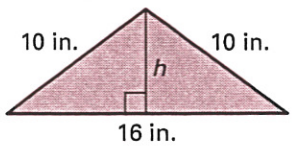



**9.**




**Find the area of the isosceles triangle.**

**10.**

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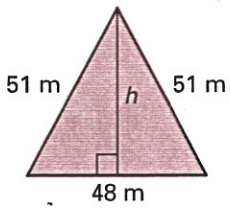
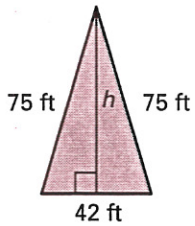



**12.**




**13.** **Multiple Choice** What is the length of the hypotenuse of a right triangle with leg lengths of 5 inches and 12 inches?

**A.** 11 inches **B.** 13 inches **C.** 15 inches **D.** 17 inches

**The given lengths are two sides of a right triangle. All three side lengths of the triangle are integers and together form a Pythagorean triple. Find the length of the third side and tell whether it is a leg or the hypotenuse.**

**14.** 30 and 40 **15.** 15 and 36 **16.** 70 and 250

**17.** 45 and 51 **18.** 15 and 20 **19.** 96 and 100