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## Practice A

For use with pages 535-541

## Use the labeled triangles to state the Pythagorean Theorem.

1. 


2.

3.


## Simplify the radical.

4. $\sqrt{12}$
5. $\sqrt{48}$
6. $\sqrt{20}$
7. $\sqrt{18}$
8. $\sqrt{60}$
9. $\sqrt{75}$

Find the unknown side length. Simplify answers that are radicals.
Tell whether the side lengths form a Pythagorean triple.
10.

11.

12.

13.

14.

15.


Find the area of the figure. Round decimal answers to the nearest tenth.
16.

17.

18.


## Solve. Round your answer to the nearest tenth.

19. A 48 -inch wide screen television means that the measure along the diagonal is 48 inches. If the screen is a square, what are the dimensions of the length and width?
20. The doorway of the family room measures $6 \frac{1}{2}$ feet by 3 feet. What is the length of the diagonal of the doorway?
21. You place a 10 -foot ladder against a wall. If the base of the ladder is 3 feet from the wall, how high up the wall does the top of the ladder reach?
