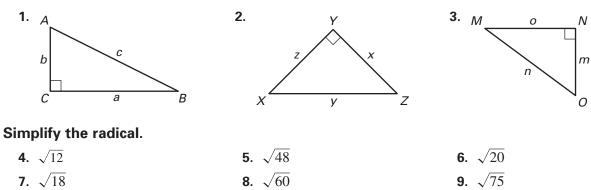
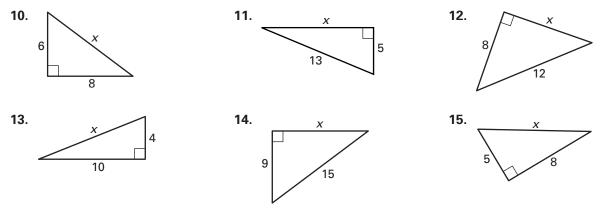


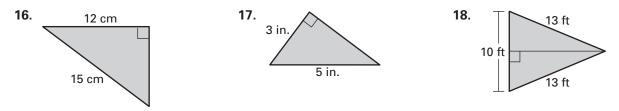
Use the labeled triangles to state the Pythagorean Theorem.



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



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



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?

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