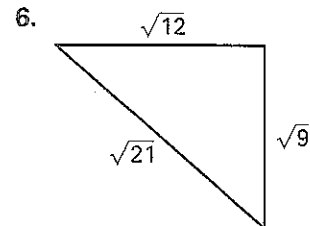
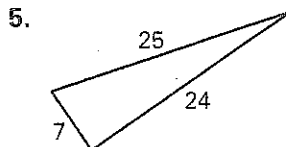
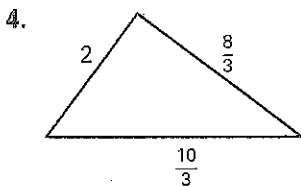
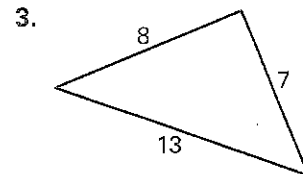
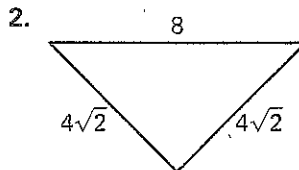
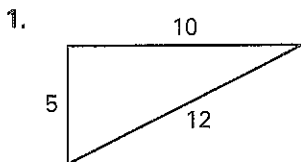


Practice B

For use with pages 543–549

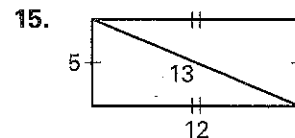
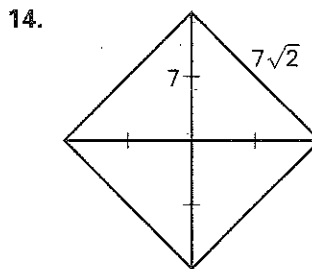
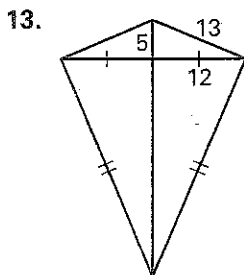
Tell whether the triangle is a right triangle.



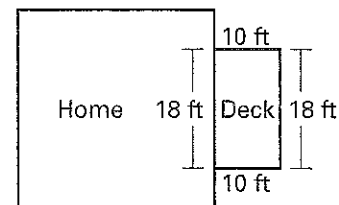
Decide whether the numbers can represent the side lengths of a triangle. If they can, classify the triangle as *right*, *acute*, or *obtuse*.

- 7. 5, 12, 13
- 8. $\sqrt{8}$, 4, 6
- 9. 20, 21, 28
- 10. 15, 36, 39
- 11. $\sqrt{13}$, 10, 12
- 12. 14, 48, 50

Classify the quadrilateral. Explain how you can prove that the quadrilateral is that type.



16. **Deck** A contractor is building a deck adjacent to a home as shown. How can he be sure that the deck is square (the corners are right angles) when he lost his t-square and only has a tape measure? Explain your reasoning.



Roof In Exercises 17 and 18, use the diagram and the following information.

The slope of the roof is $\frac{5}{12}$. The height of the roof is 15 feet.

- 17. What is the length from gutter to peak of the roof?
- 18. If a row of shingles is 5 inches high, how many rows of shingles are needed for one side of the roof?

