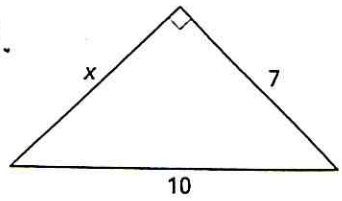
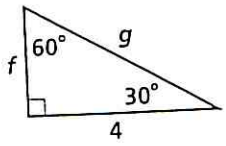
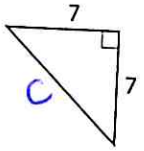
Geometry
Ch 8

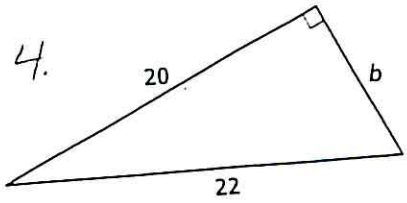
Review of 8.1 + 8.2

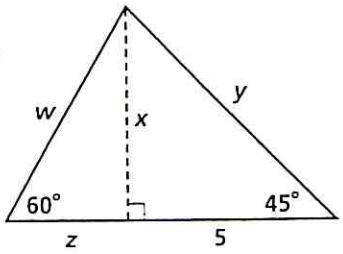
Find the value of each variable. Leave your answers in simplest radical form.

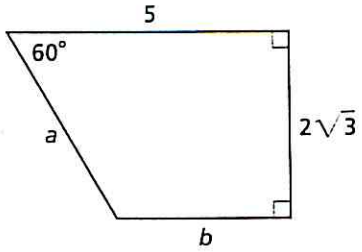
1. 

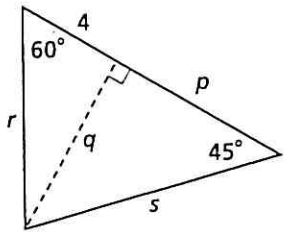
2. 

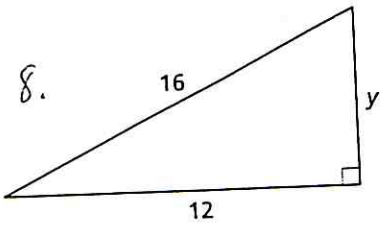
3. 

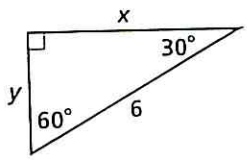
4. 

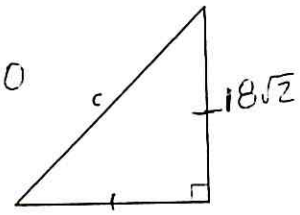
5. 

6. 

7. 

8. 

9. 

10. 

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

17. Find the length to the nearest centimeter of the diagonal of a square 30 cm on a side.

18. The hypotenuse of an isosceles right triangle is 8.4 in. Find the length of a side to the nearest tenth of an inch.

19. In a 30°-60°-90° triangle, the shorter leg is 6 ft long. Find the length to the nearest tenth of a foot of the other two sides.

20. Each side of a rhombus is 14 in. long. Two of the sides form a 60° angle. Find the area of the rhombus. Round your answer to the nearest square inch.