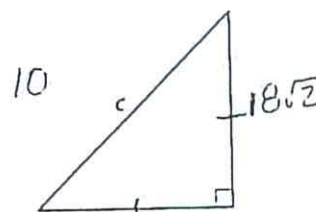
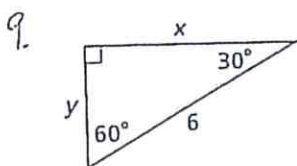
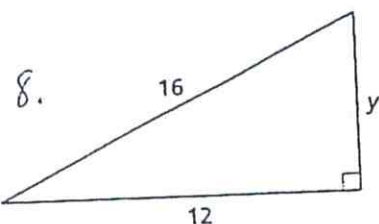
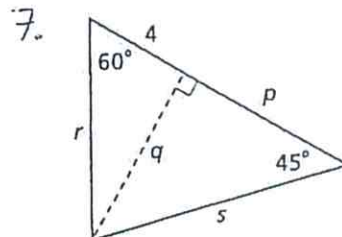
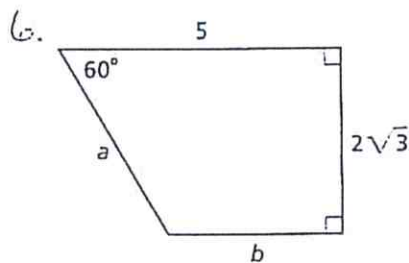
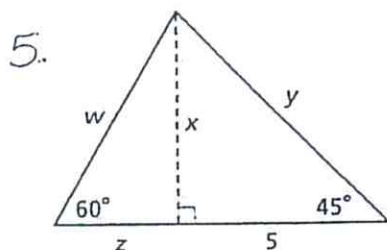
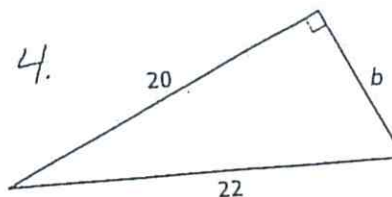
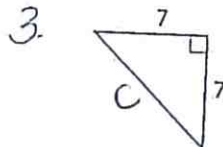
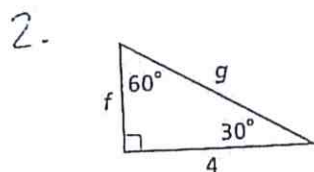
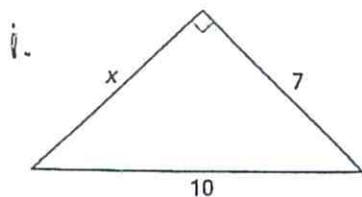


Find the value of each variable. Leave your answers in simplest radical form.



The numbers represent the lengths of the sides of a triangle. Classify each triangle as acute, obtuse, or right.

SHOW WORK -  
DON'T JUST WRITE  
ACUTE,  
OBTUSE,  
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 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.

keep all  
answers  
exact