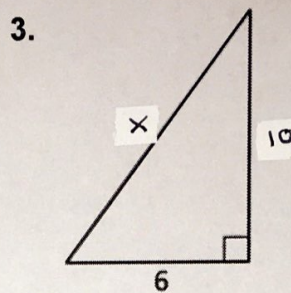
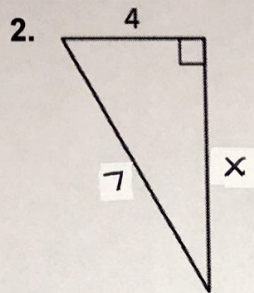
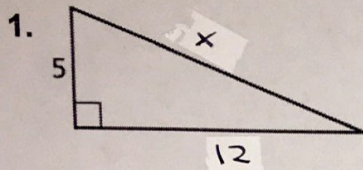
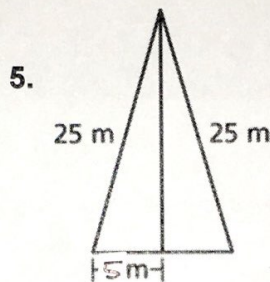
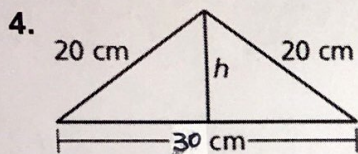


Find the value of x . Tell whether the side lengths form a Pythagorean triple.



Find the area of the isosceles triangle.



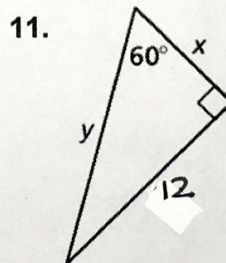
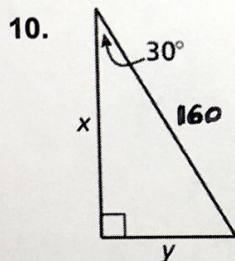
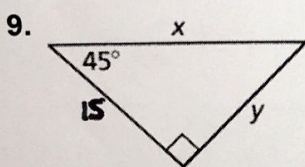
Verify that the segment lengths form a triangle. Is the triangle *acute*, *right*, or *obtuse*?

6. 9, 12, 18

7. 9.2, 15.1, 17

8. 24, 45, 57

Find the values of x and y . Write your answer in simplest form.



(multiply then square root)

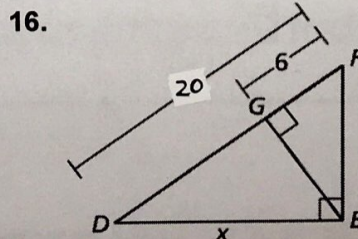
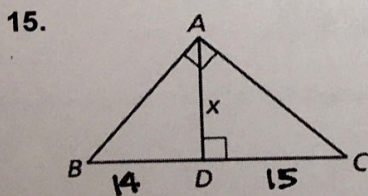
Find the geometric mean of the two numbers.

12. 19 and 49

13. 16 and 96

14. 17 and 90

Identify the similar right triangles. Then find the value of the variable.



Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____