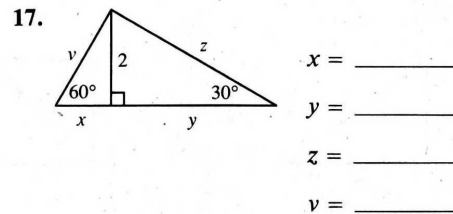
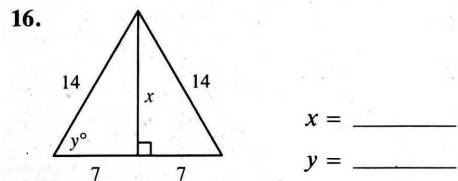
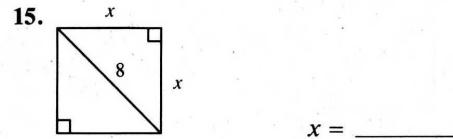
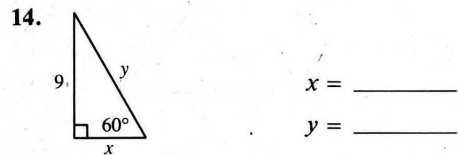
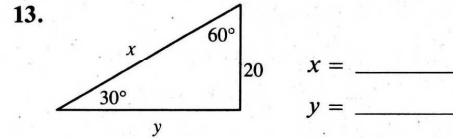
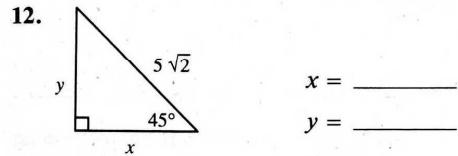
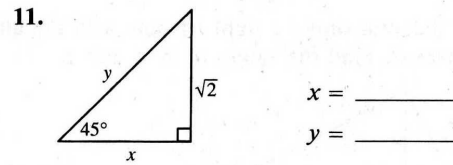
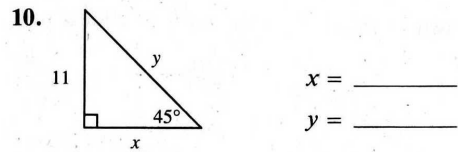


## CONVERSE OF PYTHAGOREAN THEOREM; SPECIAL RIGHT TRIANGLES

Tell whether a triangle with sides of the given lengths is acute, right, or obtuse. If a triangle can't be formed, write *not possible*.

- |                    |                           |                        |
|--------------------|---------------------------|------------------------|
| 1. 5, 6, 7 _____   | 2. 3, 5, 7 _____          | 3. 2.0, 2.1, 2.7 _____ |
| 4. 8, 15, 17 _____ | 5. $2, \sqrt{3}, 5$ _____ | 6. 9, 12, 15 _____     |
| 7. 6, 8, 10 _____  | 8. 5, 5, 9 _____          | 9. 9, 40, 41 _____     |

Find the missing lengths.



18. An equilateral triangle has sides of length 16. Find the length of an altitude. \_\_\_\_\_
19. Find the perimeter of a square with diagonal of length 12. \_\_\_\_\_
20. An equilateral triangle has an altitude of length  $5\sqrt{3}$ . Find the perimeter. \_\_\_\_\_

1)	2)
3)	4)
5)	6)
7)	8)
9)	
18)	19)
20)	