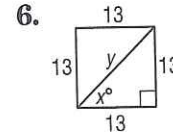
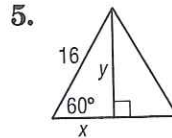
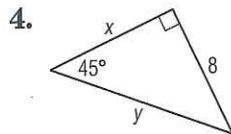
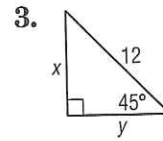
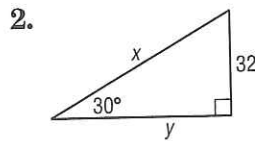
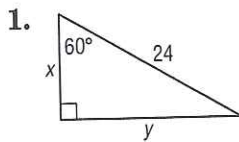


7-3 Skills Practice

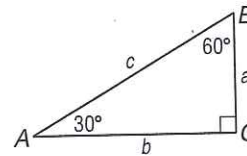
Special Right Triangles

Find x and y .



For Exercises 7–9, use the figure at the right.

7. If $a = 11$, find b and c .

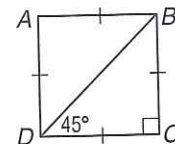


8. If $b = 15$, find a and c .

9. If $c = 9$, find a and b .

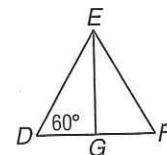
For Exercises 10 and 11, use the figure at the right.

10. The perimeter of the square is 30 inches. Find the length of \overline{BC} .



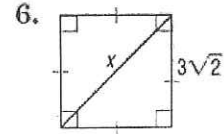
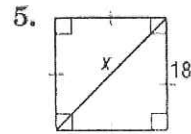
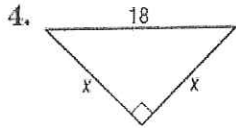
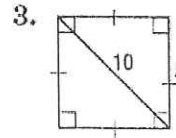
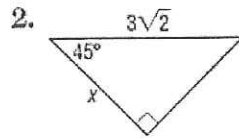
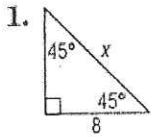
11. Find the length of the diagonal \overline{BD} .

12. The perimeter of the equilateral triangle is 60 meters. Find the length of an altitude.



13. $\triangle GEC$ is a 30° - 60° - 90° triangle with right angle at E , and \overline{EC} is the longer leg. Find the coordinates of G in Quadrant I for $E(1, 1)$ and $C(4, 1)$.

Find x .

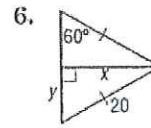
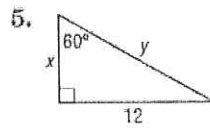
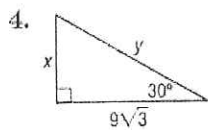
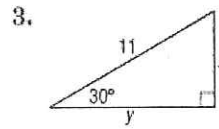
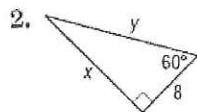
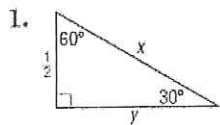


7. Find the perimeter of a square with diagonal 12 centimeters.

8. Find the diagonal of a square with perimeter 20 inches.

9. Find the diagonal of a square with perimeter 28 meters.

Find x and y .



7. The perimeter of an equilateral triangle is 32 centimeters. Find the length of an altitude of the triangle to the nearest tenth of a centimeter.

8. An altitude of an equilateral triangle is 8.3 meters. Find the perimeter of the triangle to the nearest tenth of a meter.