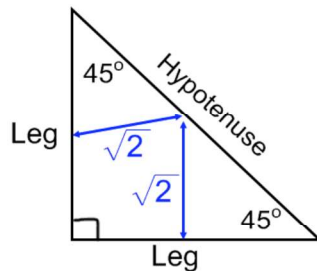


Trigonometry Prerequisite: Special Right Triangles

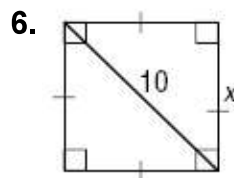
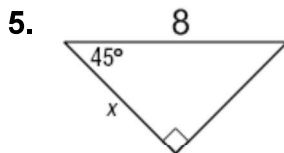
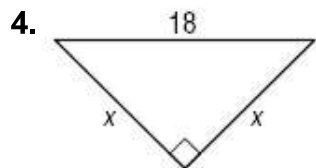
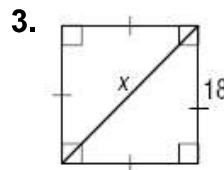
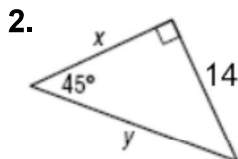
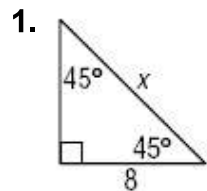
Special Right Triangles: 45° - 45° - 90°

Hypotenuse = Leg * $\sqrt{2}$ $\sqrt{2}$

Leg = $\frac{\text{hypotenuse}}{\sqrt{2}}$



Find the value of x in each triangle.



Sketch the figure that is described. Find the requested measure.

7. The perimeter of a square is 48 meters. Find the length of a diagonal.

8. The perimeter of a square is 20 cm. Find the length of a diagonal.

Find the value of x and y in each figure.

