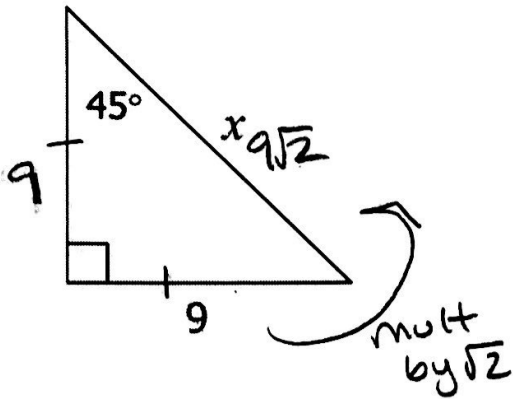


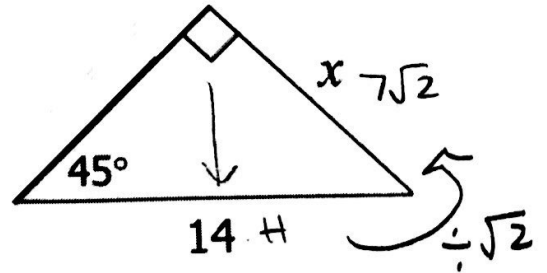
Special Right Triangle Practice

Name Key

Solve for x.

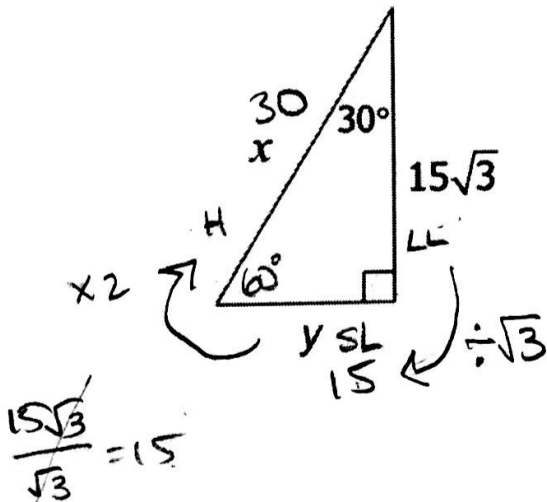


Solve for x.



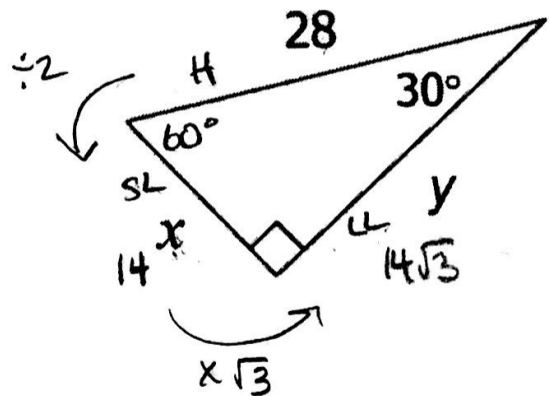
$$\frac{14}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{14\sqrt{2}}{2} = 7\sqrt{2}$$

Solve for x and y.

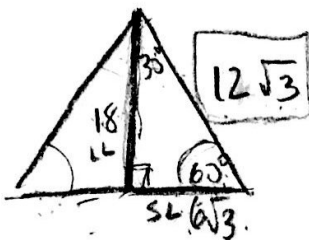


$$\frac{15\sqrt{3}}{\sqrt{3}} = 15$$

Solve for x and y.



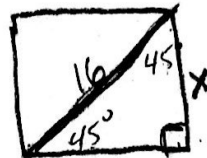
The height of an equilateral triangle is 18 cm. Find the length of one side of the triangle.



$$\frac{18}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{18\sqrt{3}}{3} = 6\sqrt{3}$$

$$6\sqrt{3}(2) = 12\sqrt{3}$$

The length of the diagonal of a square is 16 inches. What is the length of one side?



$$\frac{16}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{16\sqrt{2}}{2} = 8\sqrt{2}$$