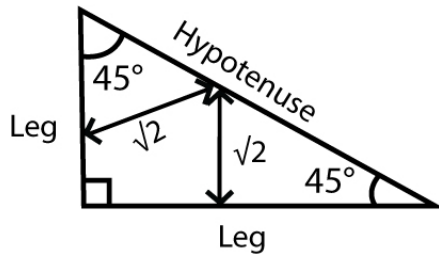


Name : _____

Score : _____ Date : _____

Special Right Triangle - 45°- 45°- 90° Worksheet

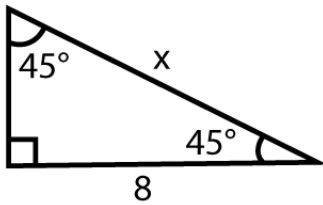


$$\text{Hypotenuse} = \text{Leg} \times \sqrt{2} \times \sqrt{2}$$

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

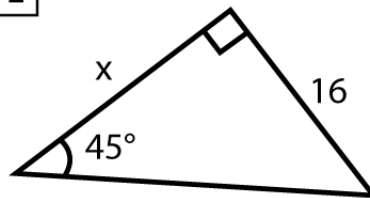
Find the value of x in each triangle

1



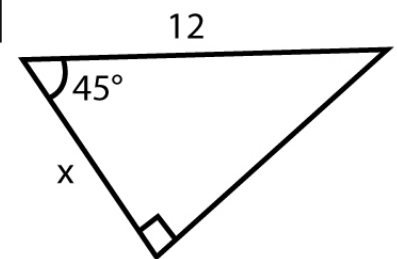
x =

2



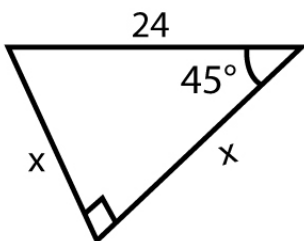
x =

3



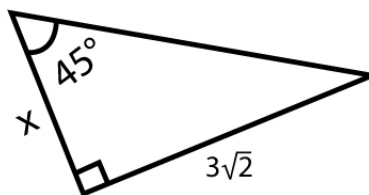
x =

4



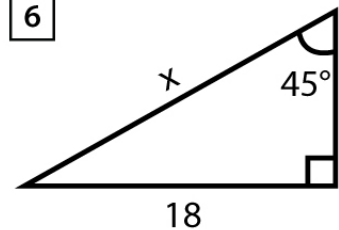
x =

5



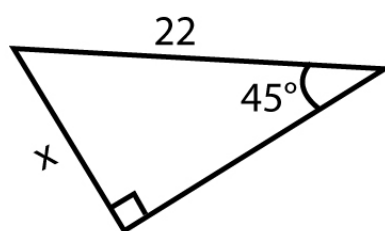
x =

6



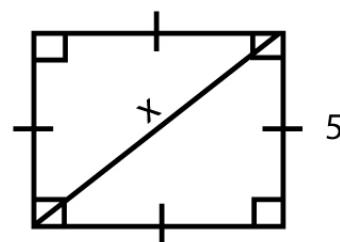
x =

7



x =

8

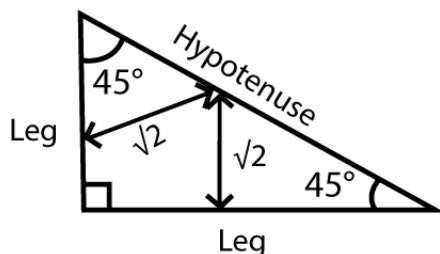


x =

Name : _____

Score : _____ Date : _____

Special Right Triangle - 45°- 45°- 90° Worksheet

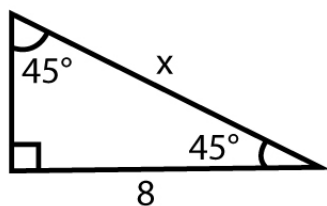


$$\text{Hypotenuse} = \text{Leg} \times \sqrt{2} \times \sqrt{2}$$

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

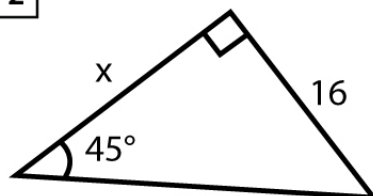
Answers

1



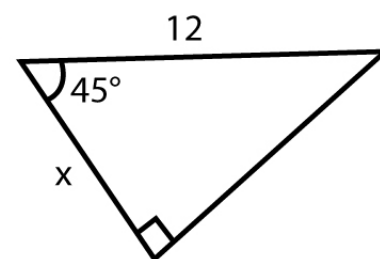
$$x = 8\sqrt{2}$$

2



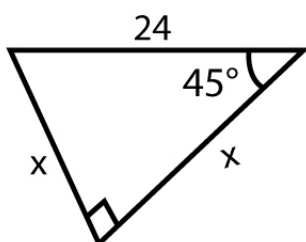
$$x = 16$$

3



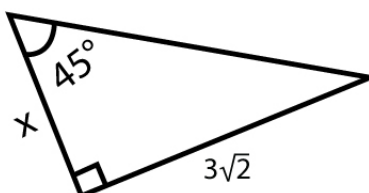
$$x = \frac{12}{\sqrt{2}}$$

4



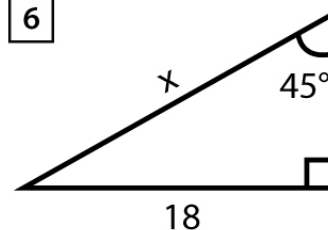
$$x = \frac{24}{\sqrt{2}}$$

5



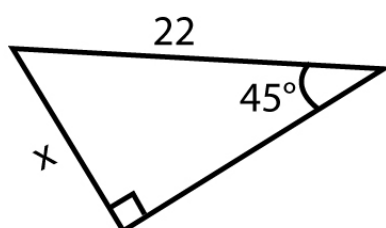
$$x = 3\sqrt{2}$$

6



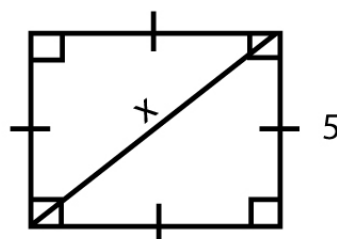
$$x = 18\sqrt{2}$$

7



$$x = \frac{22}{\sqrt{2}}$$

8



$$x = 5\sqrt{2}$$