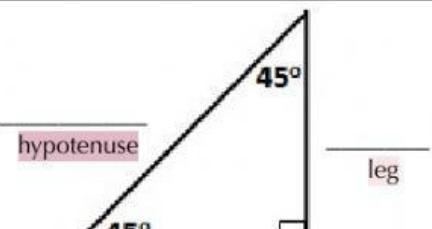


## Special Right Triangles: 45-45-90

In a 45-45-90 triangle:

- \* Two angles measure \_\_\_\_\_ degrees
- \* One angle measures \_\_\_\_\_ degrees
- \* The legs are \_\_\_\_\_



The Rule:

- \* The hypotenuse is  $\sqrt{2}$  times the length of a leg

$$\text{hypotenuse} = \text{leg}(\sqrt{2})$$

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

### EXAMPLES

Find the value of x in each triangle

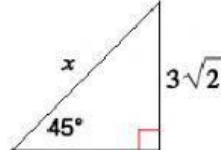


Given:

\_\_\_\_\_

Solve for:

\_\_\_\_\_

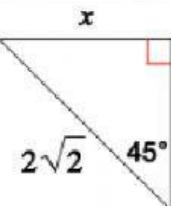


Given:

\_\_\_\_\_

Solve for:

\_\_\_\_\_

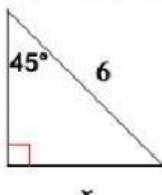


Given:

\_\_\_\_\_

Solve for:

\_\_\_\_\_



Given:

\_\_\_\_\_

Solve for:

\_\_\_\_\_