

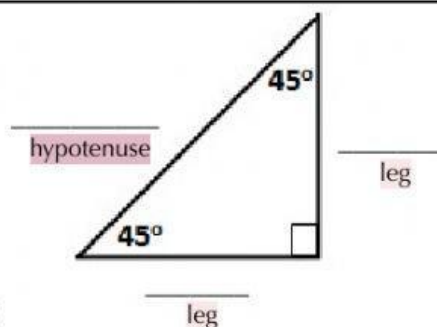
Special Right Triangles: 45-45-90

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



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

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

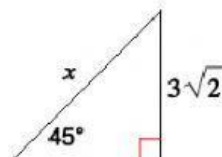
EXAMPLES

Find the value of x in each triangle



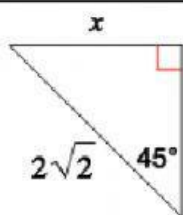
Given:

Solve for:



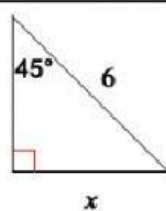
Given:

Solve for:



Given:

Solve for:



Given:

Solve for:
