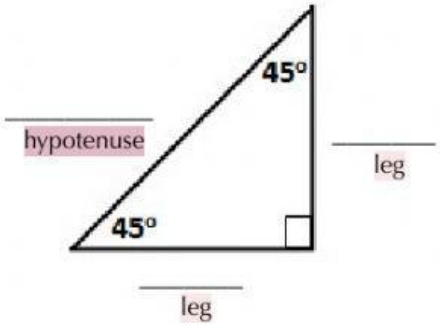
Special Right Triangles: 45-45-90

In a 45-45-90 triangle:

* Two angles measure _____ degrees
* One angle measures _____ degrees
* The legs are _____



The Rule:

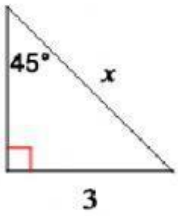
* The hypotenuse is $\sqrt{2}$ times the length of a leg

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

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

EXAMPLES

Find the value of x in each triangle

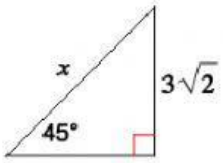


Given:

_____

Solve for:

_____

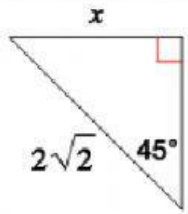


Given:

_____

Solve for:

_____

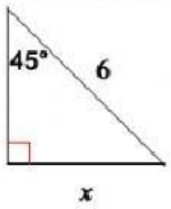


Given:

_____

Solve for:

_____



Given:

_____

Solve for:

_____

LIVEWORKSHEETS