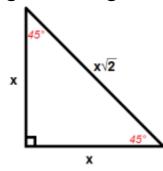
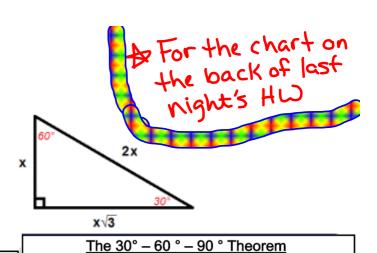
Special Right Triangles





In a 30° - 60° - 90° triangle the hypotenuse is 2

times as long as the shorter leg. The longer leg

is $\sqrt{3}$ times as long as the shorter leg.

The 45° – 45° – 90° Theorem

In a 45° - 45° - 90° triangle the hypotenuse is $\sqrt{2}$ times as long as either leg.



hyp =
$$\sqrt{2} \cdot \log$$

hyp = $\sqrt{2}$ 5
Therefore, x = $5\sqrt{2}$

Example: Find the value of x in the triangle.

