

$$m\angle ACB = 60^\circ$$

$$\angle 1 \cong \angle 2$$

$$a^2 + b^2 = c^2$$

$$x^2 + h^2 = (2x)^2$$

$$x^2 + h^2 = 4x^2$$

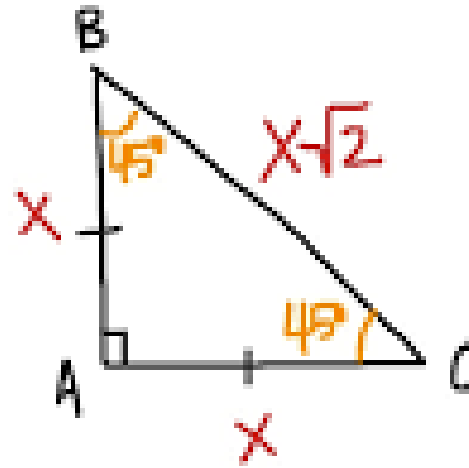
$$h^2 = 3x^2$$

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

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

$$\sqrt{3} \cdot \sqrt{x^2}$$

$$\sqrt{3} \cdot x$$



45-45-90

If  $\triangle$ , then  $\triangle$

$$180 - 90 = 90 \div 2 = 45^\circ$$

$$a^2 + b^2 = c^2$$

$$x^2 + x^2 = h^2$$

$$\sqrt{2x^2} = \sqrt{h^2}$$

$$\sqrt{2x^2} = h$$

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

$$\sqrt{2x^2}$$

$$\sqrt{2} \cdot \sqrt{x^2}$$

$$\sqrt{2} \cdot x$$

