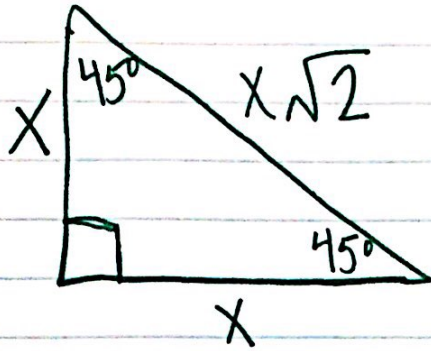


Special Right Triangles

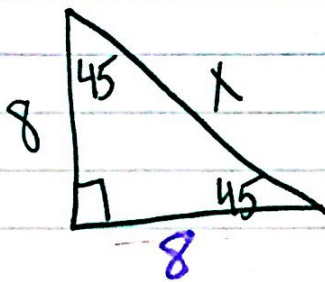
45-45-90 (Isosceles Right Δ)



→ Since the base angles of an isosceles right Δ are equal, the measure of each acute angle is 45° .

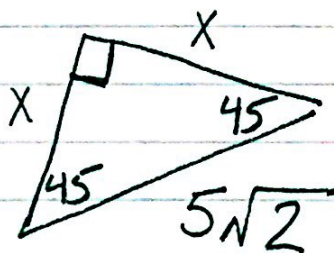
Find the missing side:

①



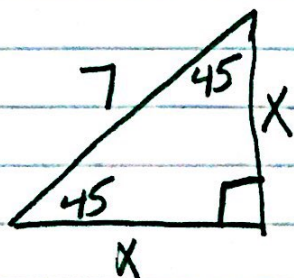
$$x = 8\sqrt{2}$$

②



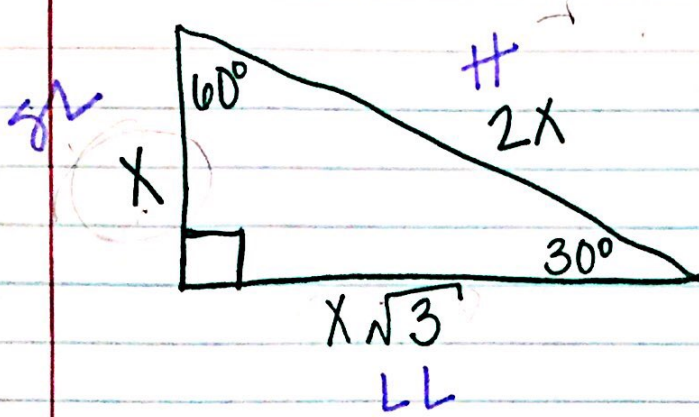
$$x = 5$$

③



$$x = \frac{7}{\sqrt{2}}$$

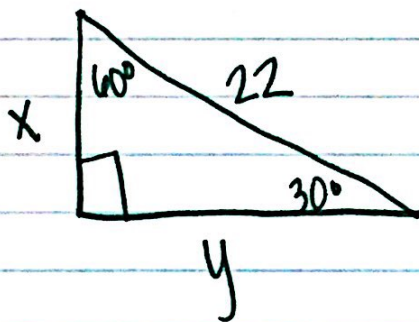
30-60-90



→ Short leg is ~~across~~ across from 30° angle
→ Long leg is across from 60° angle

Find the missing side

①

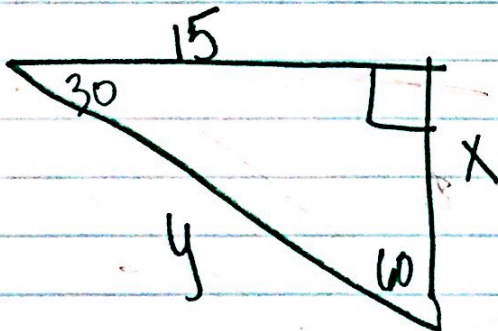


$$x = \frac{22}{2}$$

$$x = 11$$

$$y = 11\sqrt{3}$$

②



$$x = \frac{15}{\sqrt{3}}$$

$$y = \frac{15}{\sqrt{3}} \cdot \frac{2}{1}$$

$$y = \frac{30}{\sqrt{3}}$$