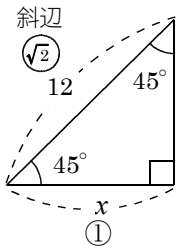
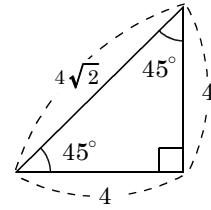
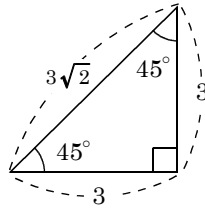
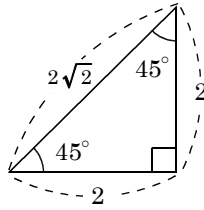
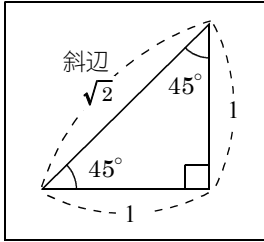


直角二等辺三角形

☞ 一辺がわかったら他の2辺がすぐできるようにしておくこと!



$$1 : \sqrt{2} = x : 12$$

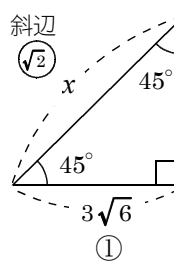
比 実際の長さ

$$\sqrt{2}x = 12$$

$$\frac{\sqrt{2}x}{\sqrt{2}} = \frac{12}{\sqrt{2}}$$

$$x = 6\sqrt{2}$$

分母の有理化



$$1 : \sqrt{2} = 3\sqrt{6} : x$$

比 実際の長さ

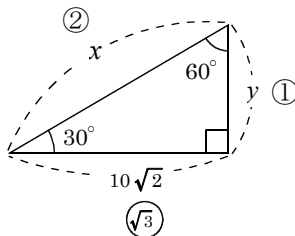
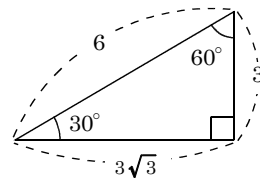
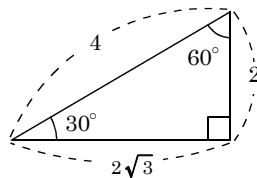
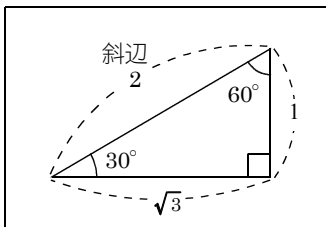
$$x = 3\sqrt{12}$$

$$x = 3 \times 2\sqrt{3}$$

$$x = 6\sqrt{3}$$

$$\frac{12}{\sqrt{2}} = \frac{12 \times \sqrt{2}}{\sqrt{2} \times \sqrt{2}} = \frac{12\sqrt{2}}{2} = 6\sqrt{2}$$

30° 60° 90° の直角三角形



xを求める

$$2 : \sqrt{3} = x : 10\sqrt{2}$$

比 実際の長さ

$$\sqrt{3}x = 20\sqrt{2}$$

$$\frac{\sqrt{3}x}{\sqrt{3}} = \frac{20\sqrt{2}}{\sqrt{3}}$$

$$x = \frac{20\sqrt{6}}{3}$$

分母の有理化

yを求める

$$1 : \sqrt{3} = y : 10\sqrt{2}$$

比 実際の長さ

$$\sqrt{3}y = 10\sqrt{2}$$

$$\frac{\sqrt{3}y}{\sqrt{3}} = \frac{10\sqrt{2}}{\sqrt{3}}$$

$$y = \frac{10\sqrt{6}}{3}$$

分母の有理化