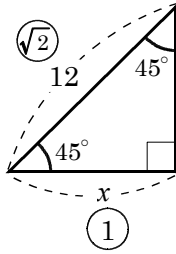


直角二等辺三角形

例1



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

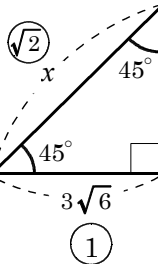
$$\frac{\sqrt{2}x = 12}{\sqrt{2} \quad \sqrt{2}}$$

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

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

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

例2



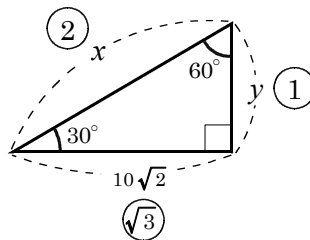
$$1 : \sqrt{2} = 3\sqrt{6} : x$$

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

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

30° 60° 90° の直角三角形

例3



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

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

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

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

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

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

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

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

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

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