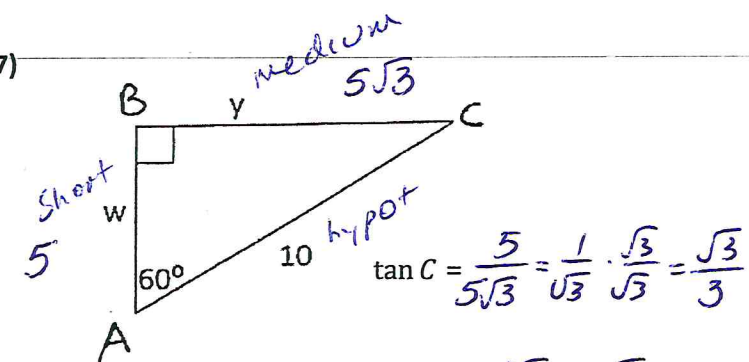


18)

17)

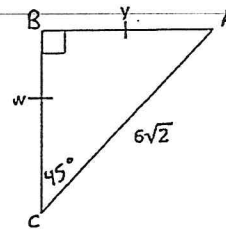


$$w = 10/2 = 5$$

$$y = 5\sqrt{3}$$

$$\sin A = \frac{5\sqrt{3}}{10} = \frac{\sqrt{3}}{2}$$

$$\cos C = \frac{5\sqrt{3}}{10} = \frac{\sqrt{3}}{2}$$



$$w = \frac{6\sqrt{2}}{\sqrt{2}} = 6$$

$$y = 6$$

$$\cos A = \frac{6}{6\sqrt{2}} = \frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

$$\tan A = \frac{6}{6} = 1$$

$$\cos C = \frac{6}{6\sqrt{2}} = \frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

DIRECTIONS: (a) Sketch each angle in standard position.

(b) Determine the reference angle.

(c) Sketch the reference triangle and correctly label each side and angle.

(d) Find the exact value for the sine, cosine, and tangent of the original angle. Leave no $\sqrt{}$'s in denominator.19) 210° 20) 300°

see
(next page)

21) 135° 22) 30° 23) $\frac{5\pi}{4}$ 24) $\frac{2\pi}{3}$