1.17 Trig Quiz Review WS 1 (No Calculators)

1) Find the exact value of each expression:

a) $\csc 240°$

b) $\cot\frac{17}{6}\pi$

c) $\sec -\frac{4}{3}\pi$

2) The given point lies on the terminal side of an angle θ in the standard position. Find the values of all six trig functions of θ. Point P: (-1, 5)

3) State the quadrant or axis where the terminal side of θ is found. Then, find the exact value of the specified trig function using the given information:

a) Find $\sec\theta$ if $\tan\theta$ = -1 and csc > 0 Quadrant: _____ $\sec\theta$: _____

b) Find $\cos\theta$ if $\csc\theta$ is undefined and $\sec\theta < 0$ Quadrant: _____ $\cos\theta$: _____

c) If $\tan\theta = \frac{\sqrt{5}}{2}$ and $\sec\theta < 0$, then find $\csc\theta$ Quadrant: _____ $\csc\theta$: _____

4) Find all solutions in the given interval: $0 \le \theta \le 2\pi$

$$\csc\theta = \frac{-2}{\sqrt{3}}$$

1.17b Trig Quiz Review WS 2 (No Calculators)

1) Find the exact value of each expression:

d) $\sin 390°$

e) $\cot\frac{-11}{6}\pi$

f) $\csc\frac{11}{3}\pi$

2) The given point lies on the terminal side of an angle θ in the standard position. Find the values of all six trig functions of θ. Point P: (-2, -3)

3) State the quadrant or axis where the terminal side of θ is found. Then, find the exact value of the specified trig function using the given information:

d) Find sec θ if tan $\theta = -\sqrt{3}$ and csc > 0 Quadrant: _____ sec θ: _____

e) Find sin θ if sec θ is undefined and csc θ < 0 Quadrant: _____ $\sin\theta$: _____

f) If $\sec\theta = \frac{\sqrt{5}}{2}$ and csc θ > 0, then find cot θ Quadrant: _____ $\cot\theta$: _____

4) Find all solutions in the given interval: $0 \le \theta \le 360$

$\cot\theta = \frac{1}{\sqrt{3}}$