Review of Trig Ratios and Angles

1. Finding Coterminal Angles

Find 3 angles that are coterminal to:

(a) 175°

(b) -565°

2. Finding Exact Trig Ratios

(a) Given a "special" angle (30°, 45°, 60°)

e.g. Find $\sin 210^\circ$

(b) Given a point on the terminal arm

e.g. Find all primary trig ratios given P(-2,8) is on the terminal arm of the angle in standard position

(c) Given one of the trig ratios

e.g. Find $\csc\theta$ given $\cos\theta = \frac{1}{8}$, terminal arm in quadrant IV

3. Finding θ and β

(a) Find θ, given a trig ratio

e.g. Solve for both values of θ, given $\sec\theta = \frac{-8}{5}$ and where $0 \le \theta \le 360^\circ$

(b) Find θ, given a simple trig equation

e.g. Solve for both values of θ, given $5 - 3\sin\theta = 4$ and where $0 \le \theta \le 360^\circ$