

A1) Sketch the angle $\theta = 230^\circ$ in standard position.

B1) Determine the measure of the angles that are coterminal with the angle $\theta = 230^\circ$ in the domain $-500 \leq \theta \leq 500$. Write an expression for all angles that are coterminal with θ (in the domain $\theta \in \mathbb{Z}$).

C1) Determine the value of $\csc 425^\circ$ to 3 decimal places.

A2) Sketch the angle $\theta = -420^\circ$ in standard position.

B2) Determine the measure of the angles that are coterminal with the angle $\theta = -420^\circ$ in the domain $-800 \leq \theta \leq 800$. Write an expression for all angles that are coterminal with θ (in the domain $\theta \in \mathbb{Z}$).

C2) Determine the value of $\sec -140^\circ$ to 3 decimal places.

D1) Determine the exact value of $\sin 210^\circ$.

E1) If the terminal arm of θ passes through point $P(3, -2)$, determine the exact values of the six trig ratios.

F1) If θ is in the 4th quadrant and $\cos\theta = \frac{\sqrt{11}}{6}$, determine the exact value of $\sin\theta$.

G1) Given the information in question F1 above, determine all possible values of θ in the domain $-360^\circ \leq \theta \leq 360^\circ$ to the nearest degree.

C2) Determine the value of $\sin 4.5$ to 3 decimal places.

D2) Determine the exact value of $\tan 315^\circ$.

E2) If the terminal arm of θ passes through point $P(-5, 12)$, determine the exact values of the six trig ratios.

F2) If θ is in the 3rd quadrant and $\tan \theta = \frac{2}{5}$, determine the exact value of $\cos \theta$.

G2) Given the information in question F1 above, determine all possible values of θ in the domain $-360^\circ \leq \theta \leq 360^\circ$ to the nearest degree.

H1) Determine the length of the arc that subtends an angle of 5 radians at the centre of a circle with radius 8cm.

I1) Convert 150° to exact radians.

J1) Sketch the angle $\theta = \frac{5\pi}{4}$ in standard position.

K1) Determine the measure of two angles that are coterminal with the angle $\theta = \frac{5\pi}{4}$.
Write an expression for all angles that are coterminal with θ (in the domain $\theta \in \mathbb{Z}$).

H2) Determine the central angle, in radians and nearest degree, of a circle with radius 4 cm and arc length of 12 cm.

I2) Convert $\theta = \frac{2\pi}{3}$ to degrees.

J2) Sketch the angle $\theta = -\frac{7\pi}{6}$ in standard position.

K2) Determine the measure of the angles that are coterminal with the angle $\theta = -\frac{7\pi}{6}$ in the domain $-4\pi \leq \theta \leq 4\pi$. Write an expression for all angles that are coterminal with θ (in the domain $\theta \in \mathbb{Z}$).

L1) Determine the exact value of $\sin \frac{8\pi}{3}$.

G3) If θ is in the 2nd quadrant and $\sin \theta = \frac{3}{5}$, determine all possible values of θ in the domain $-2\pi \leq \theta \leq 2\pi$ to one decimal place.