1. If the angle 75$°$ is in standard position, find two positive coterminal angles and two negative coterminal angles.

2. Find the degree measure of the angle $\frac{17π}{4}.$

3. Express the angle as a decimal to the nearest ten-thousandth of a degree.

53$° 57'$

4. Find the values of the five other trig functions for the acute angle $θ $if tan $θ= \frac{15}{8}.$

5. Use fundamental identities to find the values of the trig functions for the given conditions.

csc $θ $= 5 and cot $θ $˂ 0.

6. A point P($\frac{-12}{13}, \frac{5}{13}$) is on the unit circle. Find the value of the secant.

7. Find y by referring to the graph of the trig function.

As x $π-, \cos(x )$ \_\_\_\_\_\_\_.

8. Refer to the graph of y = sin x t find the separate values of x in the interval [-2$π, 2π]$ that satisfy the equation sin x = - $\frac{1}{2}$.

9. If a circular arc of the length s = 15 cm subtends the central angle $θ=3$ on a circle, find the radius of the circle.

10. Approximate to the nearest 0.1⁰ all angles θ in the interval [0⁰, 360⁰] that satisfy cos θ = -0.6604.

11. Approximate the acute angle $\tan(θ)=3.45 $to the nearest 0.01$°.$

12. Find the reference angle if $θ $= $\frac{2π}{3}.$