

1. Convert: a) the angle $\alpha = \frac{3\pi}{5}$ to degree. b) the angle $\theta = 310^\circ$ to radians. NC
2. What is the degree measure of an angle whose measure is 14 radians? NC
3. If $\tan \theta = \frac{-7}{8}$ and the sine of the angle is positive, Find $\cos \theta$.
4. If $\sin \theta = \frac{-5}{11}$, what are the possible values for $\tan \theta$?
5. Graph one cycle of $f(x) = 7\sin\left(\frac{4\pi}{3}x\right)$, find the period and the amplitude.
6. Graph one cycle of $f(x) = 2\cos(\pi x)$, find the period and the amplitude.
7. Graph one cycle of $f(x) = 5\cos\left(\frac{\pi}{2}x\right)$, find the period and the amplitude.