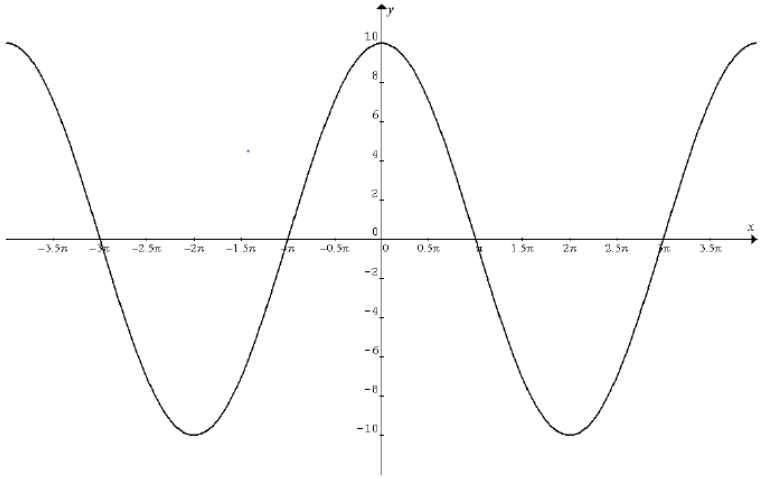
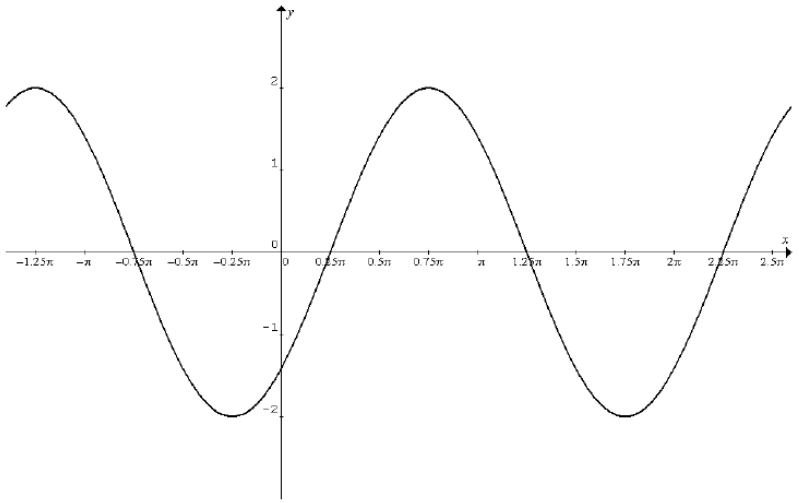
Math 3 – Trig Graphs Worksheet



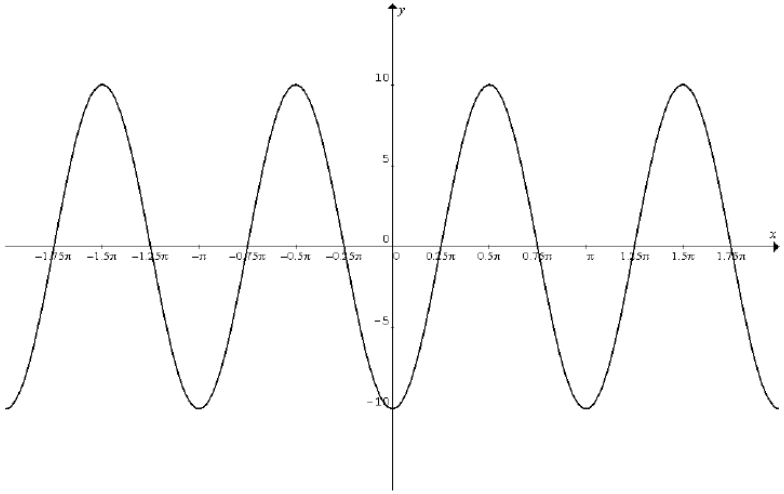
Amplitude = _____ Period = _____ Phase Shift = _____

Equation (1) = _____ (in terms of the **cosine** function)



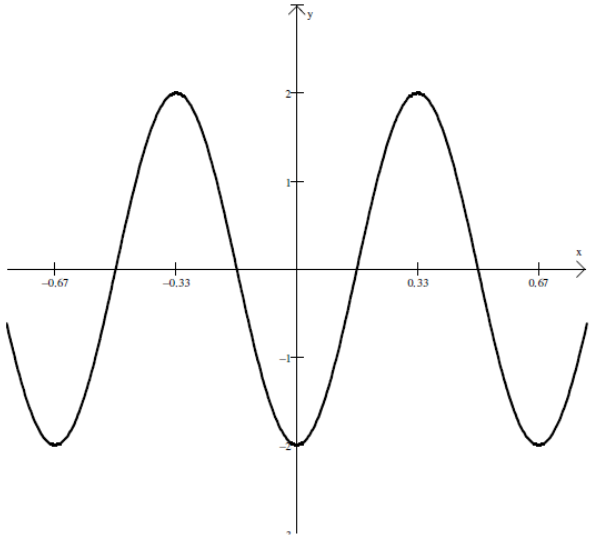
Amplitude = _____ Period = _____ Phase Shift = _____

Equation (2) = _____ (in terms of the **sine** function)



Amplitude = _____ Period = _____ Phase Shift = _____

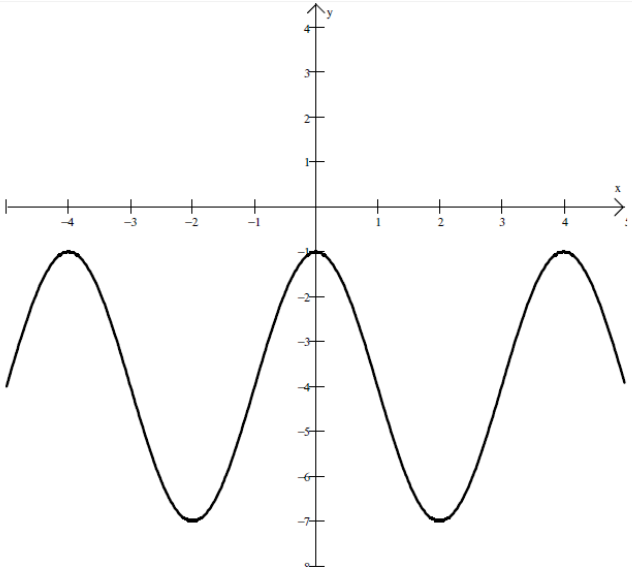
Equation (3) = _____ (in terms of the **sine** function)



Amplitude = _____ Period = _____ Phase Shift = _____

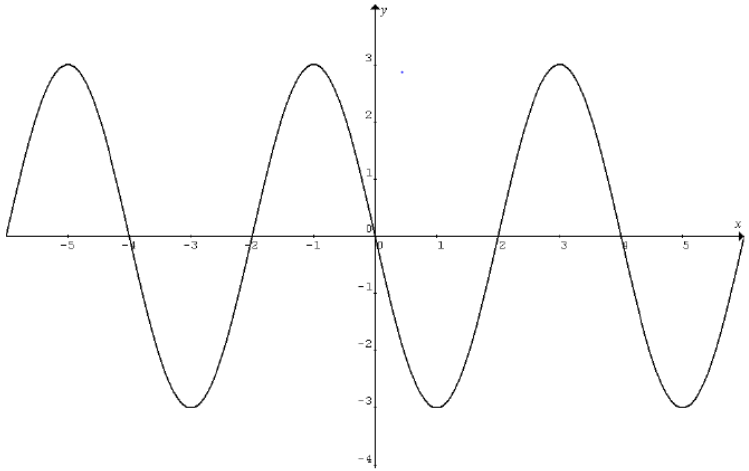
Equation (4) = _____ (in terms of the **cosine** function)

Math 3 – Trig Graphs Worksheet



Amplitude = _____ Period = _____ Phase Shift = _____

Equation (5) = _____ (in terms of the **cosine** function)



Amplitude = _____ Period = _____ Phase Shift = _____

Equation (6) = _____ (in terms of the **sine** function)

Identify Amplitude, Period and Phase Shift for each of the following equations.

7. $y = 3\cos x + 2$

8. $y = 2\cos(x - 1) + 3$

9. $y = \sin\left(x + \frac{3\pi}{2}\right) - 1$

10. $y = 3\sin\left(x - \frac{\pi}{4}\right) + 2$

11. $y = \cos\left(x + \frac{\pi}{2}\right) - 1$

12. $y = \sin(x - \pi) + 2$

13. $y = \cos\frac{1}{2}x + 1$

14. $y = \sin 2\left(x - \frac{\pi}{3}\right)$

15. $y = -\cos 2\left(x + \frac{\pi}{4}\right)$