

Math 130

Chp. 3 Exercises

Name: _____

1. Sketch the following graphs:

a) $y = 3\sin x$

b) $y = \sin 3x$

c) $y = \sin(x - 3)$

d) $y = \sin(x) + 3$

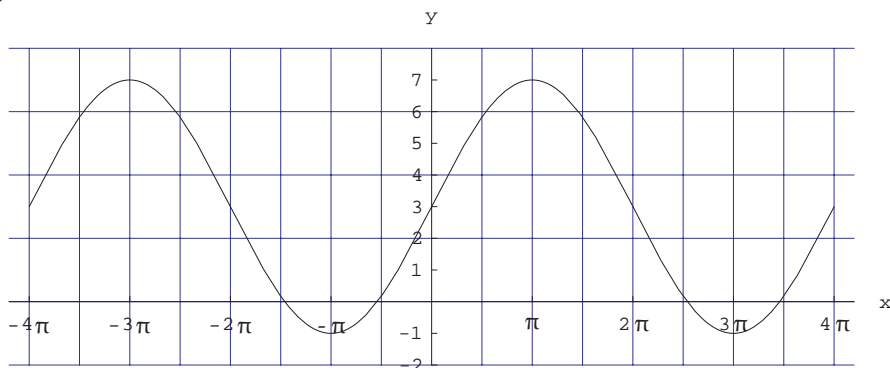
e) $y = 3\sin 3(x - 3) + 3$

f) $y = 2\cos\left(\frac{\pi}{3}x\right) - 1$

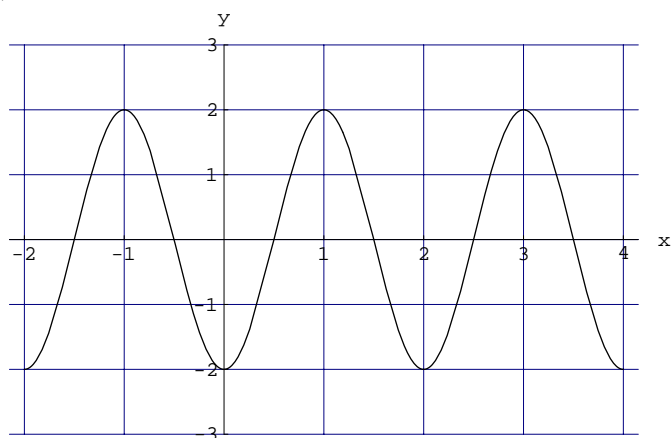
g) $y = 3\sin\left(4x + \frac{2\pi}{3}\right)$

2. Find equations for the following graphs in both forms: $y = A\sin(Bx + C) + k$ and $y = A\cos(Bx + C) + k$

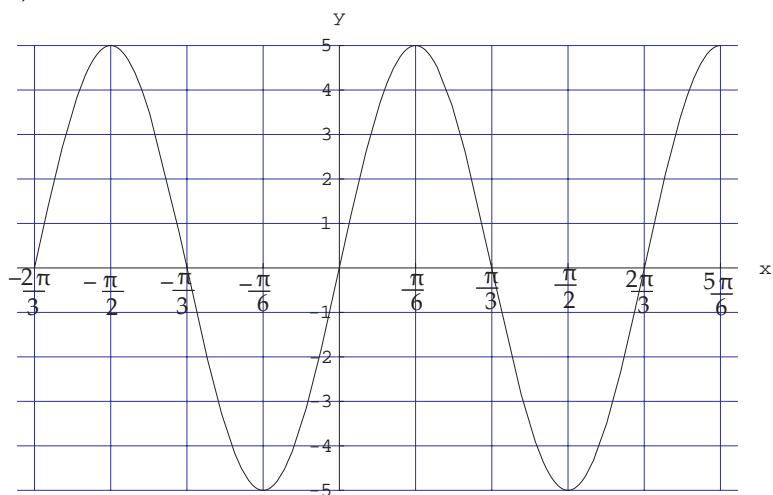
a)



b)



c)



d)

