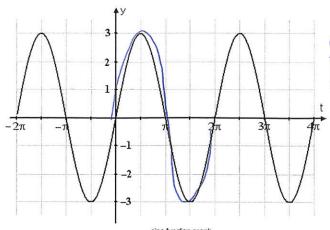
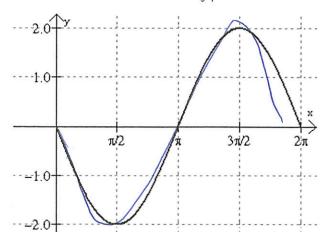
## Revew for Quiz #7.1

1. State an equation of each function shown.



sine function graph

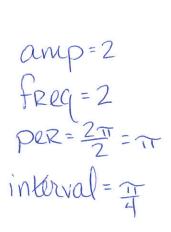


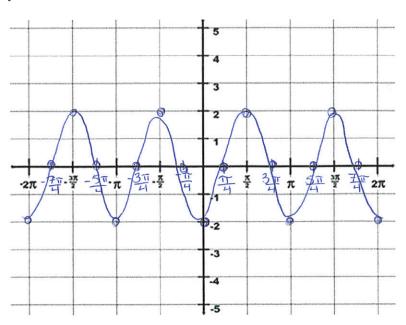
 $y = -\sin 2x$ 

 $2\pi$ 3π -2

amp=6
Freq=1 y = 6005x

2. Sketch the graph of  $y = -2\cos 2x$  over the interval  $-2\pi \le x \le 2\pi$ 

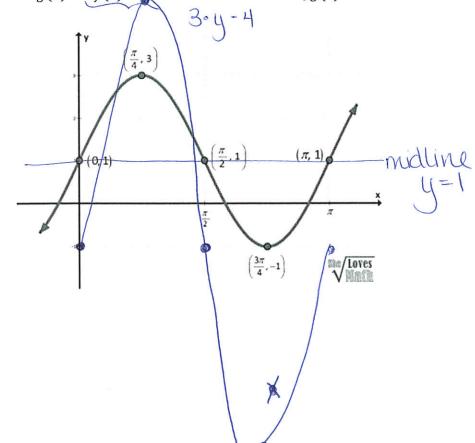




3. What is the amplitude, period and frequency of the graph of the equation  $y = -3\cos\frac{1}{4}x$ ?

$$grap = 4$$
  $per = 2\pi \cdot 4 = 8\pi$ 

4. A function, y = f(x) is represented by the graph shown. The function is transformed to create a new function g(x) = 3f(x) - 4. Sketch the new function, g(x) on the same set of axes.



$$\begin{array}{c|c}
F(x) & g(x) \\
\hline
(0,1) & (0,-1) \\
\hline
(3,3) & (3,5) \\
(3,-1) & (3,-1) \\
(3,-1) & (3,-7) \\
(1,1) & (1,-1)
\end{array}$$