Quiz 3   Name_____
Trig Functions and Graphing   Date_____

1)   State the amplitude, period, frequency, phase shift and vertical shift of the function

$$y = 5\sin(2\theta - \frac{\pi}{2}) + 6$$

2)   Write a function of sine with a period of 4π and a phase shift of $\frac{\pi}{4}$ and vertical shift of 3

3)   Write and graph a function of secant with a period of $\frac{\pi}{4}$

4)   Write and graph a function of cosine with an amplitude of 3 a period of $\dfrac{\pi}{2}$ and a vertical shift of 2

5)   What is the equation of the graph?