Assigned Problems

1. Complete the following table for each sinusoidal function.

Equation	Period	Amplitude	Equation of Axis
$f(x) = 3\sin(4x) + 1$			
$y = -2\cos(8x) + 6$			
$y = 100\sin(6x) + 50$			

2. Sketch each of the following graphs.

a) $f(x) = 3\sin(10x) + 5$ b) $y = -2\cos(36x)$

c) $f(x) = -5\sin[12x] + 4$ d) $y = 10\cos[90x] + 20$

3. Check your answers to question #2 using desmos.com