

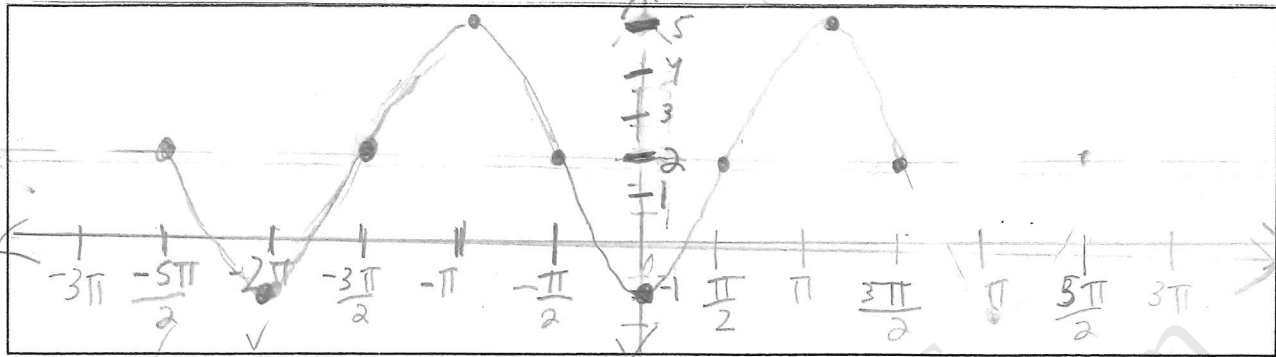
Name: Joseph Nguyen
 Quiz#2 (4.5-4.6)

Date: 3-7-2014
 Math Analysis/Trig

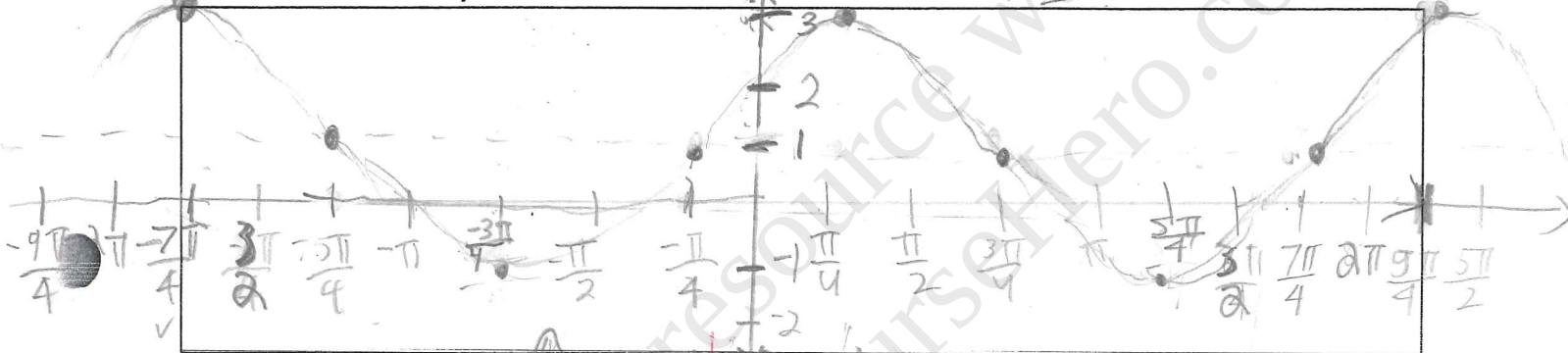
20/20 Excellent!
 11:03-

Show all your work to get the full credit. Sketch 2-3 cycles and include both negative and positive sides of the x-axis. Label the key points. (4pts. each)

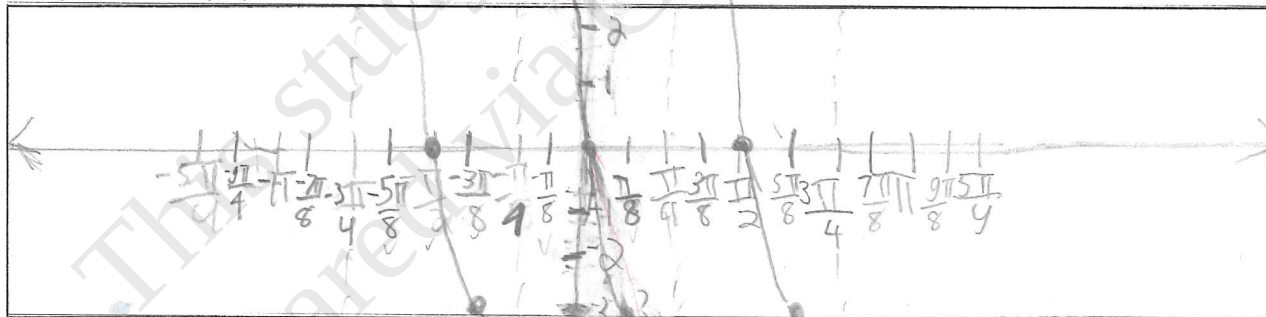
1. $y = 2 + 3\sin(x + \frac{\pi}{2})$ amplitude: 3 period: 2π Range: $[-1, 5]$ Domain: $\mathbb{R}$



2. $y = 1 + 2\cos(x - \frac{\pi}{4})$ amplitude: 2 period: 2π Range: $[-1, 3]$ Domain: $\mathbb{R}$



3. $y = -3\tan(2x)$



4. Write the positive sine $y = d + a\sin(bx - c)$ and cosine $y = d + a\cos(bx - c)$ functions for the graph. (4pts. each)

