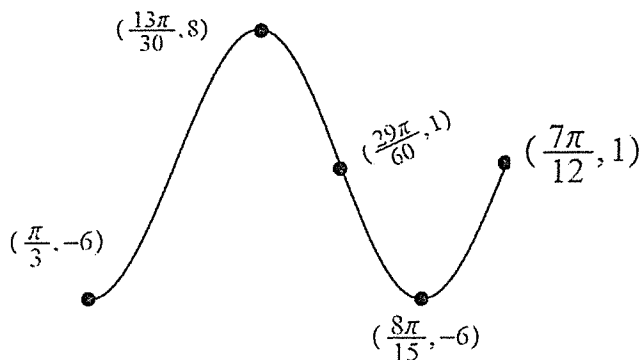


Algebra 2 Bellwork Friday, March 27, 2015

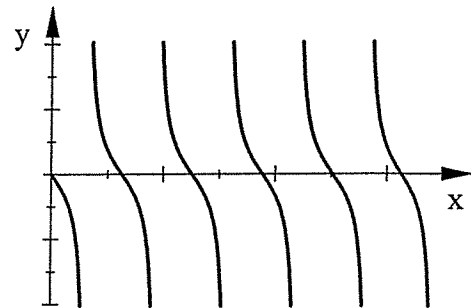
- Find both a positive and a negative coterminal angle. Give your answer in radians. $\frac{76\pi}{13}$
- Graph one period of this function. Label the coordinates of all maximums, minimums, and x-intercepts.

$$y = -9\cos(9(x + \frac{2\pi}{7})) - 4$$

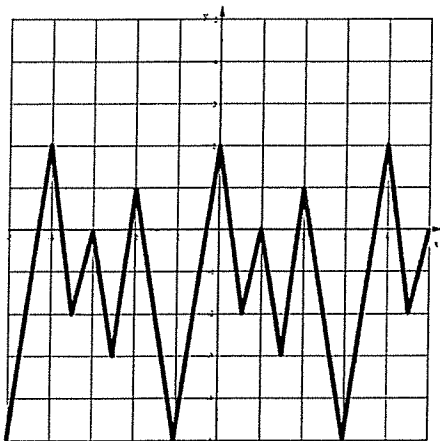
- Write both a Sin and a Cos equation for this graph.



- Write a Tangent Equation for this graph. The window is 0 to 8π



- Find three x-intercepts and 3 VA for this Tangent Function: $y = 3\tan 12x$
- Convert this angle to radians. 276°
- Find the Period, Amplitude, and Eq of the Midline.

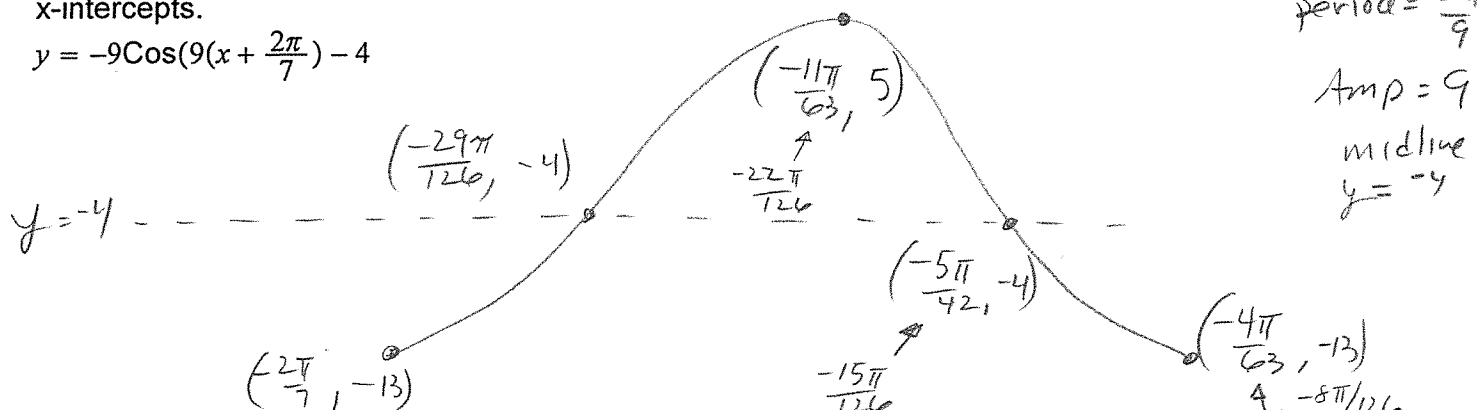


1. Find both a positive and a negative coterminal angle. Give your answer in radians. $\frac{76\pi}{13}$

Pos: $\frac{24\pi}{13}, \frac{50\pi}{13}, \frac{102\pi}{13}, \dots$ NEG $-\frac{2\pi}{13}, -\frac{28\pi}{13}, -\frac{54\pi}{13}, \dots$

2. Graph one period of this function. Label the coordinates of all maximums, minimums, and x-intercepts.

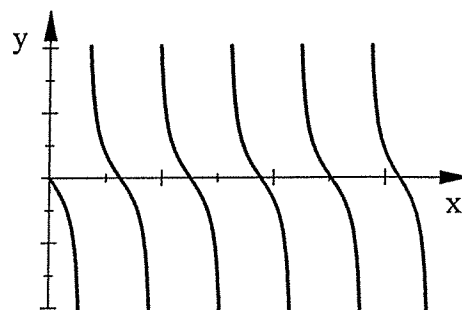
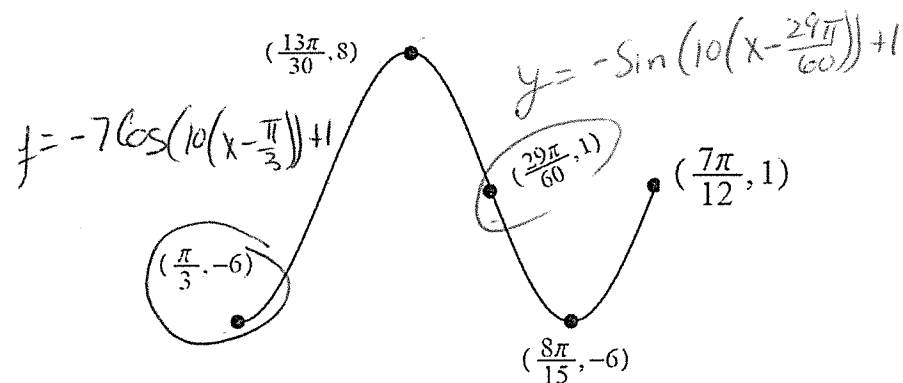
$$y = -9\cos(9(x + \frac{2\pi}{7})) - 4$$



3. Write both a Sin and a Cos equation for this graph.

4. Write a Tangent Equation for this graph.

The window is 0 to 8π



5. Find three x-intercepts and 3 VA for this Tangent Function: $y = 3\tan 12x$

6. Convert this angle to radians. 276°

$$276 \cdot \frac{\pi}{180} = \frac{23\pi}{15}$$

7. Find the Period, Amplitude, and Eq of the Midline.

