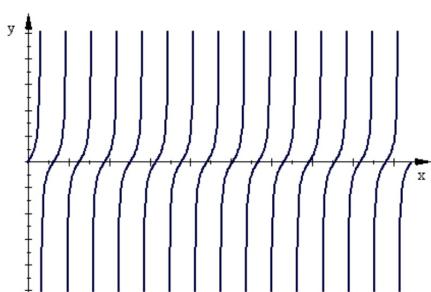


Bellwork Tuesday, April 15, 2014

1. Write the equation of this tangent function. The window is 0 to 3π

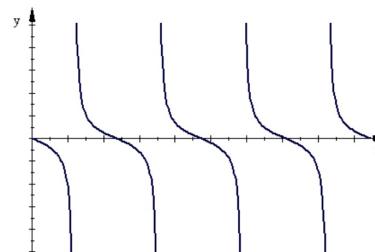


$$\text{Period} = \frac{3\pi}{15} = \frac{\pi}{5}$$

3. Find the location of 4 VA and 4 zeros of this tangent function:

Graph of $y = -\tan 8x$. The graph shows vertical asymptotes at $x = 0, \pm \frac{\pi}{8}, \pm \frac{\pi}{4}$. The function has a period of $\frac{\pi}{8}$ and crosses the x-axis at $x = 0$.

2. Write the equation of this tangent function. The window is 0 to $\frac{3\pi}{2}$



$$\frac{\frac{3\pi}{2}}{4} = \frac{3\pi}{2} \cdot \frac{1}{4} = \frac{3\pi}{8}$$

4. Find the location of 4 VA and 4 zeros of this tangent function:

The graph shows the function $y = \tan \frac{7x}{5}$. The x-axis is labeled with values $-\frac{5\pi}{7}, 0, \frac{15\pi}{7}$. Vertical dashed lines represent asymptotes at these points. The graph consists of multiple branches of the tangent function, each passing through the x-intercepts at $x = -\frac{5\pi}{7}, \frac{15\pi}{7}$.