

Math 1613 - Trigonometry

Homework #7 - 2007.10.02

Due Date - 2007.10.09

Name: _____

Graph each of the following functions. Also state the amplitude (when it exists), period and phase shift for each function and be to include this information into your graphs.

1. $f(x) = -2 \sin(2x + \pi)$

2. $g(x) = \frac{1}{2} \cos\left(\frac{x}{2} + \frac{\pi}{16}\right) + 4$

3. $h(x) = -\tan(2x - 1)$

4. $i(x) = \sec\left(-\frac{1}{3}x - \frac{\pi}{6}\right)$

5. $j(x) = |\cos(\pi x + 2)|$

6. $k(x) = \csc(-2x + 1) - 2$