

Name _____

Date _____ Hour _____

Math Analysis & Trig.
Problem of the week- Due 10-03-2008

Directions: Print out this page and answer the following questions directly on that sheet of paper.

1. (2 points) Draw the 5 points for the sin and cos graphs (the part to be memorized in the boxed area).
2. (1 point) Which graphs have amplitude?
3. (1 point) How is period different for a tangent or cotangent graph versus all of the rest?
4. (1 point) Why don't we use negative signs in recording the parts of a trig graph?
5. (1 point) Sometimes the c or d value is 0, causing only one number to follow the x in the trig equation. How can you tell if this number is a c or d?
6. (1 point) If a graph has an amplitude of 3 flipped, what does this mean (in terms of drawing the graph by hand)?
7. (1 point) $\omega\left(\frac{5\pi}{3}\right)$
8. (1 point) $\csc x = -2$
9. (1 point) $\sin(\tan^{-1}(1))$