

Name \_\_\_\_\_

Date \_\_\_\_\_ Hour \_\_\_\_\_

Math Analysis & Trig.

Problem of the week- Due 12-12-2008

Directions: Answer the following problems correctly and earn 10 points. Turn it in early for extra credit!

1. (4 points) Identify the conic section (circle, parabola, ellipse, or hyperbola) by its eccentricity:

a)  $e = 1$  \_\_\_\_\_

b)  $e = 0$  \_\_\_\_\_

c)  $e = 0.75$  \_\_\_\_\_

d)  $e = 2.25$  \_\_\_\_\_

2. (2 points) Explain what eccentricity (as if you were telling someone who had never heard of it).

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3. (4 points) Review! 😊 Draw a sketch of the graphs of:

e)  $y = \sin x$

f)  $y = \csc x$

g)  $y = \cos x$

h)  $y = \tan x$