

Name \_\_\_\_\_

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

Math Analysis & Trig.  
Problem of the week- Due 12-05-2008

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

1. (6 points) Given:  $\frac{(y+2)^2}{81} - \frac{(x-5)^2}{100} = 1$

a. Center = \_\_\_\_\_

b. Go tall or go long? \_\_\_\_\_

c. a = \_\_\_\_\_

d. b = \_\_\_\_\_

e. c = \_\_\_\_\_

f.  $\frac{b^2}{a} =$  \_\_\_\_\_

2. (4 points) Make up an equation of a(n):

g. Circle

h. Parabola

i. Ellipse

j. Hyperbola