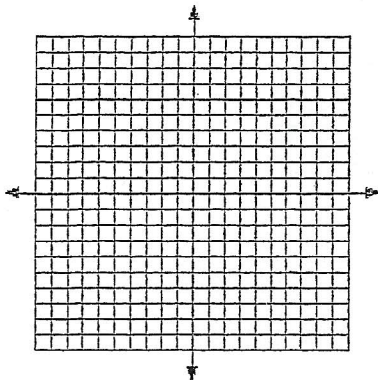


SECONDARY MATH II
DOMAIN 2 F.IF.4
GRAPHING FUNCTIONS WS 2.1B

NAME _____
DATE _____
CLASS _____

Graph the following functions on your calculator using a standard window. Make a rough sketch of each, and then identify the key features of each graph.

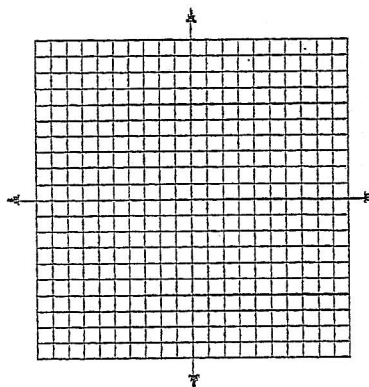
1. $y = -3x - 2$



State the x-intercept.

State the y-intercept.

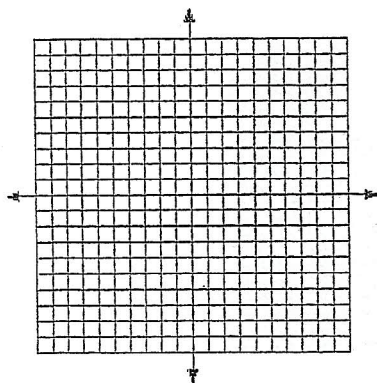
2. $2x - 3y = 4$



State the x-intercept.

State the y-intercept.

3. $y = -x^2 + 2x - 8$



State the x-intercept.

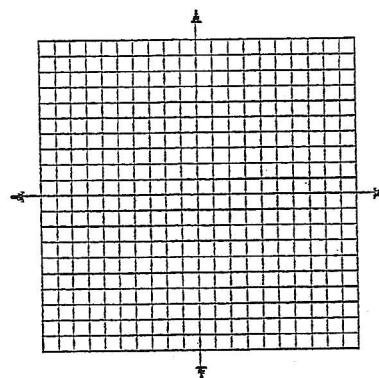
State the y-intercept.

State the vertex.

Is the vertex a max or min?

State the intervals the function is increasing and decreasing.

4. $y = (x - 5)(3x + 4)$



State the x-intercept.

State the y-intercept.

State the vertex.

Is the vertex a max or min?

State the intervals the function is increasing and decreasing.