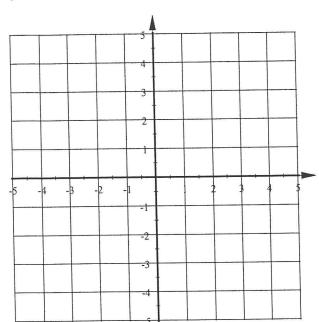
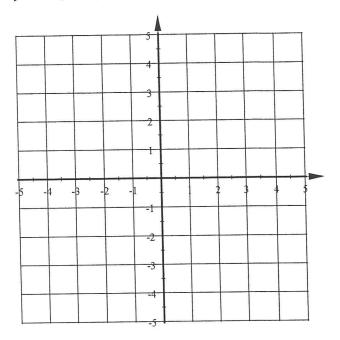
For each quadratic do the the following:

Find the Equation for the Line of Symmetry, Find the coordinates of the Vertex, Find the y-intercept, then graph the quadratic using 5 points.

1.
$$y = x^2 - 2x - 3$$



2.
$$y = -2(x+3)^2 + 5$$



Factor each completely.

3.
$$15m^2 + 2m - 8$$

4.
$$4g^3 - 48g^2 + 144g$$

5.
$$72A^2 - 128$$

Algebra 2

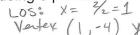
Bellwork

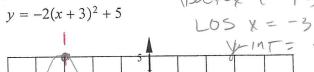
Thursday, October 30, 2014

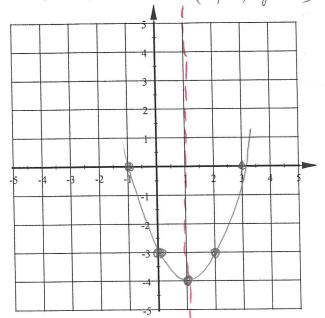
Answers

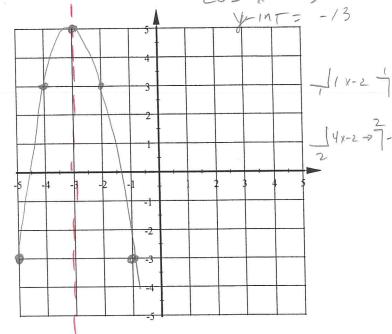
For each quadratic do the the following:

Find the Equation for the Line of Symmetry, Find the coordinates of the Vertex, Find the y-intercept, then Vertex (-3,5) graph the quadratic using 5 points. 1. $y = x^2 - 2x - 3$ Los: $x = \frac{2}{2} = 1$ 2. $y = -2(x+3)^2 + 5$









Factor each completely.

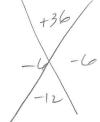
3.
$$15m^2 + 2m - 8 = (5x + 4)(3x - 2)$$

-120/
+12-10
1+2

$$\frac{3m-2}{5m|5m^2-10m|}$$

+4 +12m -8

4. $4g^3 - 48g^2 + 144g = -$	49 (9-6)(9-6)
49 (92-129+	36) 1



5. $72A^2 - 128$

$$8(9A^{2}-16)$$

 $8(3A+4)(3A-4)$