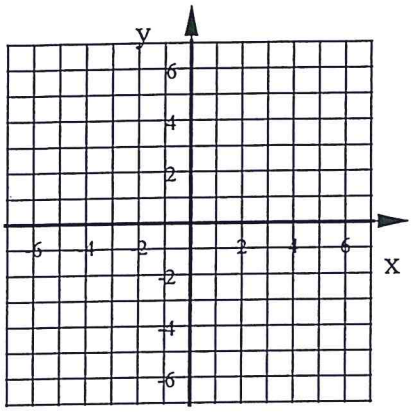
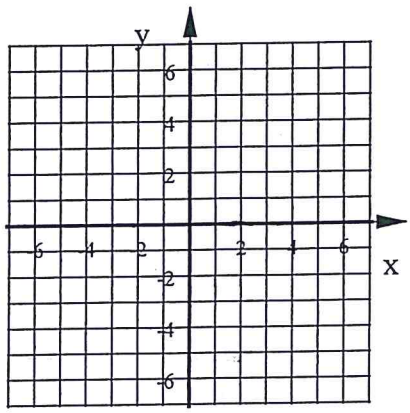
Bellwork Hon Alg 2 Friday, October 28, 2016

Graph each quadratic using at least five points.

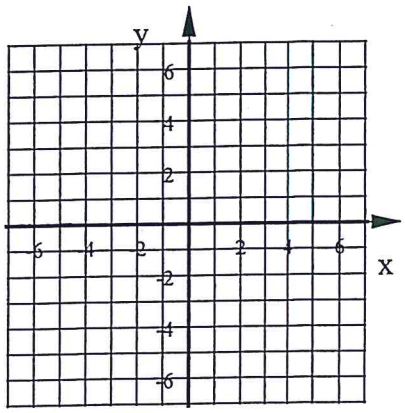
1. $y = -x^2 - 6x - 5$



2. $y = 2x^2 - 16x + 29$



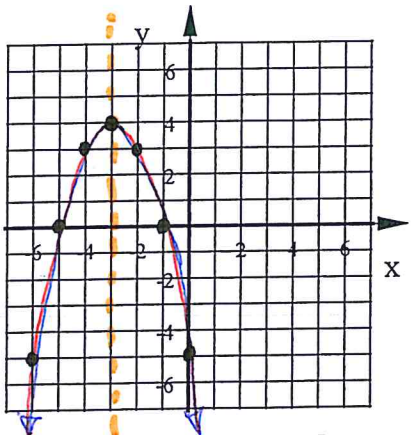
3. $y = -3x^2 + 7$



Bellwork Hon Alg 2 Friday, October 28, 2016 Answers

Graph each quadratic using at least five points.

1. $y = -x^2 - 6x - 5$



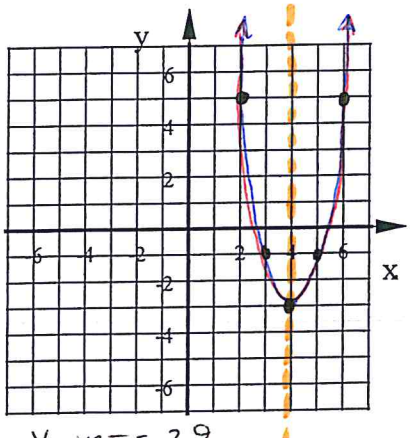
y-intercept = -5

LOS: $x = \frac{6}{2(-1)} = \frac{6}{-2} = -3$

Vertex: $(-3, 4)$

x	y
-2	3
-1	0

2. $y = 2x^2 - 16x + 29$



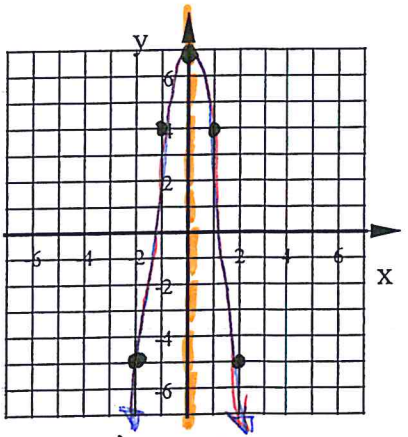
y-int = 29

LOS: $x = \frac{16}{2(2)} = \frac{16}{4} = 4$

Vertex: $(4, -3)$

x	y
3	-1
2	5

3. $y = -3x^2 + 7$



y-int = 7

LOS: $x = 0$

Vertex $(0, 7)$

x	y
1	4
2	-5