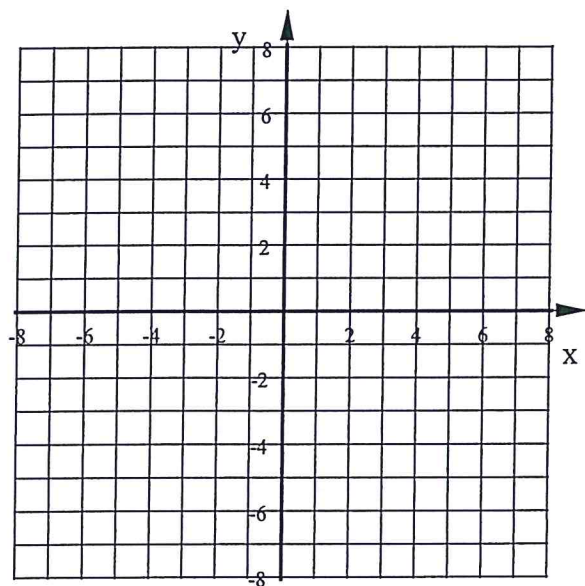


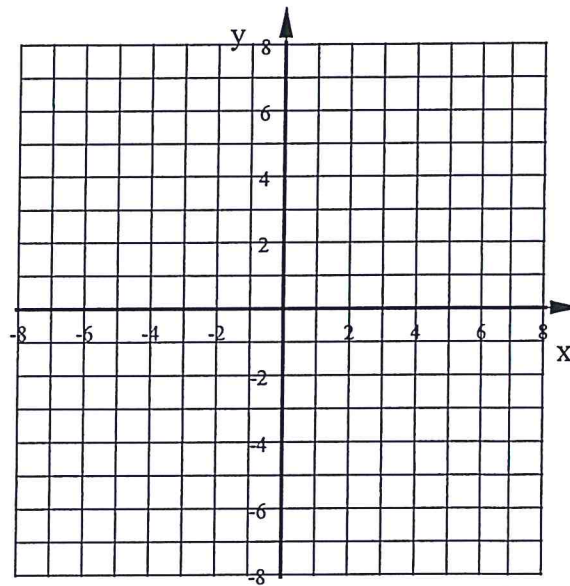
Algebra 2 Bellwork Thursday, November 12, 2015

Graph each parabola using at least five points.

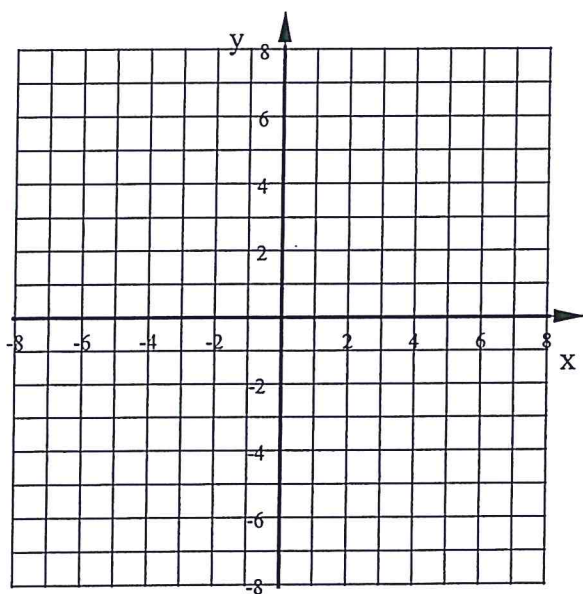
1. $y = 4x^2 - 24x + 28$



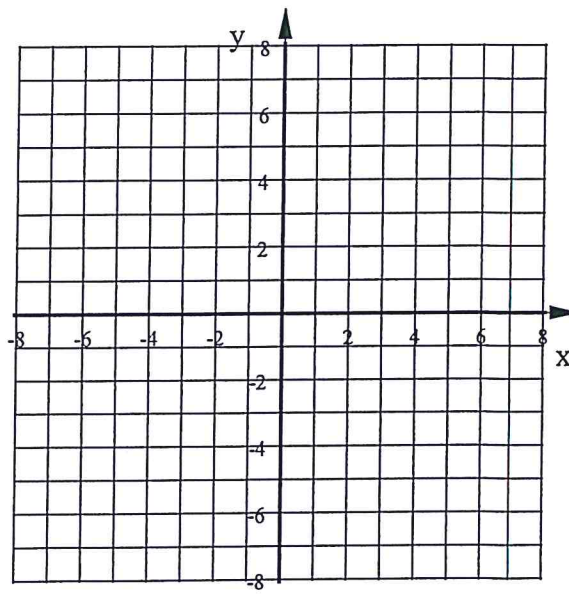
2. $y = -2(x + 5)^2 + 6$



3. $y = -x^2 - 4x + 3$



4. $y = 3(x - 2)^2 - 4$



Algebra 2 Bellwork Thursday, November 12, 2015

Graph each parabola using at least five points.

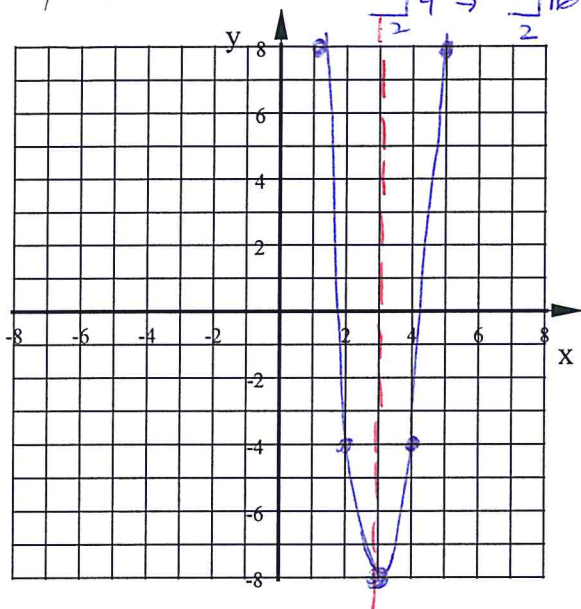
1. $y = 4x^2 - 24x + 28$

LOS: $X = \frac{24}{2(4)} = \frac{24}{8} = 3$

Vertex $(3, -8)$

y-int = 28

X	Y
2	-4
1	8



2. $y = -2(x+5)^2 + 6$

5 Left 6 up

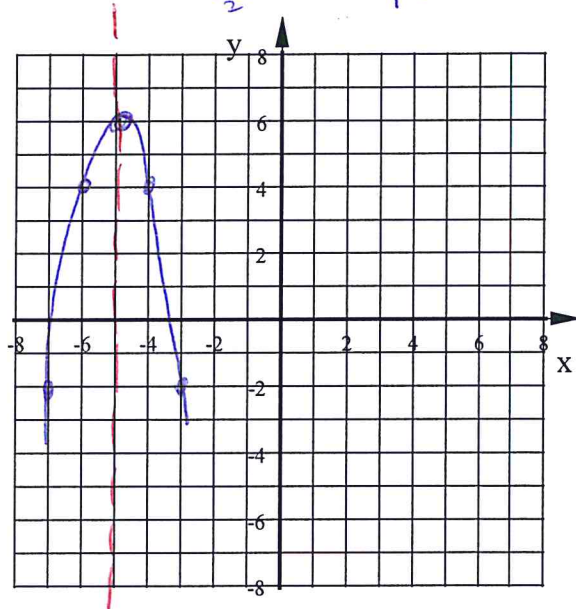
Vertex $(-5, 6)$

LOS $x = -5$

$\downarrow 1 \rightarrow \downarrow -2$

$\downarrow 4 \rightarrow \downarrow -8$

X	Y
-4	4
-3	-2



3. $y = -x^2 - 4x + 3$

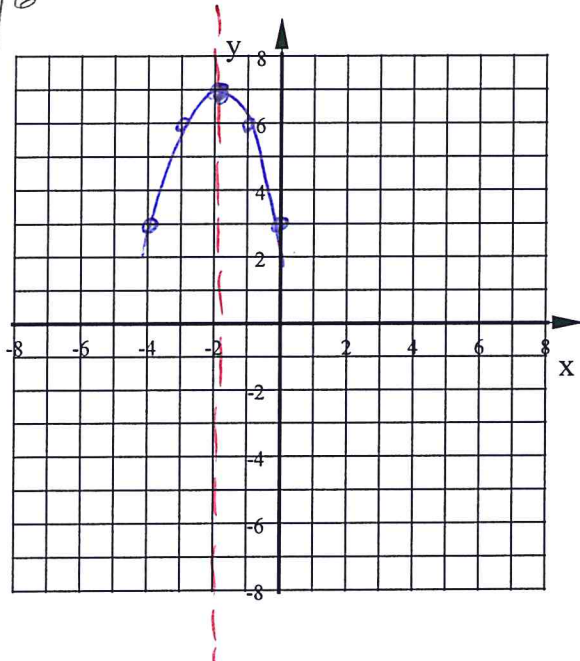
LOS: $x = \frac{4}{2(-1)} = \frac{4}{-2} = -2$

Vertex $(-2, 7)$

y-int = 3

$\downarrow 1 \rightarrow \downarrow -1$

X	Y
-1	6



4. $y = 3(x-2)^2 - 4$

2 RT 4 DOWN

Vertex $(2, -4)$

LOS $x = 2$

$\downarrow 1 \rightarrow \downarrow 3$

$\downarrow 4 \rightarrow \downarrow 12$

X	Y
1	-1
0	8

