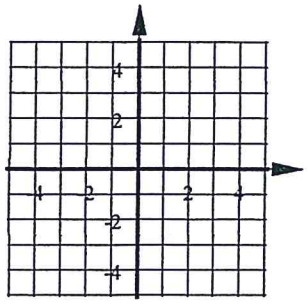
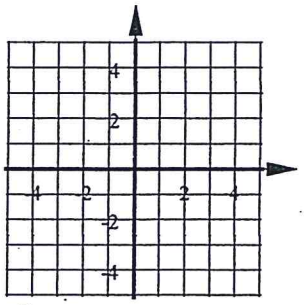
# Algebra 1 6th Bellwork Monday, January 4, 2016

Graph each using at least five points.

1. $y = 2|x+2| - 4$



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



3. In your piggy bank you have $13.57. Each day you drop in a nickel. Model this situation with a function rule. Define your variables.

EQ:

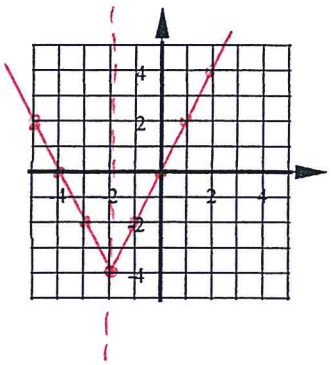
variables:

# Algebra 1 6th Bellwork Monday, January 4, 2016 ANSWERS

Graph each using at least five points.

1. $y = 2|x+2| - 4$

| X | Y |
|---|---|
| -2 | -4 |
| -1 | -2 |
| 0 | 0 |
| 1 | 2 |
| 2 | 4 |
| -3 | -2 |
| -4 | 0 |



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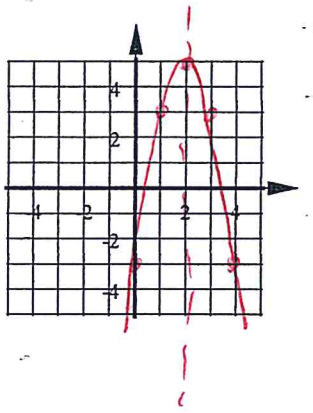

| X | Y |
|---|---|
| -2 | -27 |
| -1 | -13 |
| 0 | -3 |
| 1 | 3 |
| 2 | 5 |
| 3 | 3 |
| 4 | -3 |

3. In your piggy bank you have $13.57. Each day you drop in a nickel. Model this situation with a function rule. Define your variables.

EQ:

$T = 13.57 + .05D$

variables: T = TOTAL $ in piggy bank

D = # days you drop in a nickel to your piggy bank