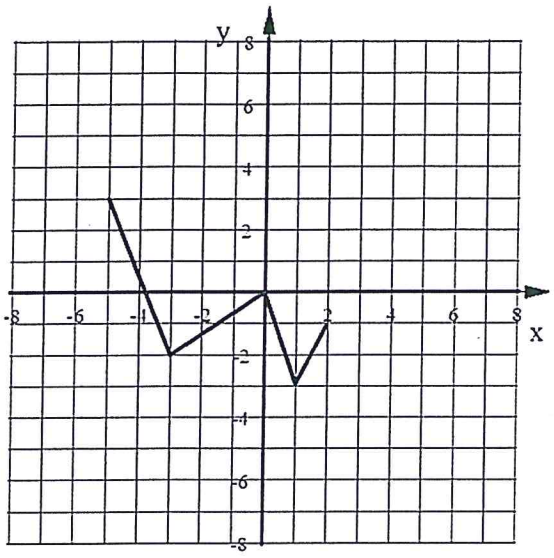
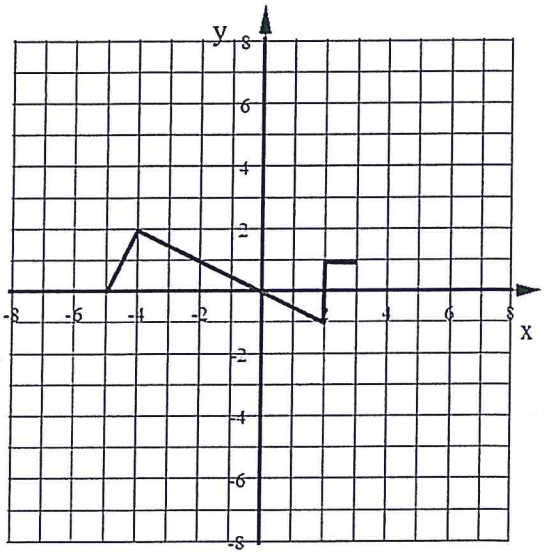
Bellwork Hon Alg 2 Tuesday, November 1, 2016

1. Below is the graph of $y = f(x)$
Graph this transformation of this function:
$y = 2f(x-4) - 1$

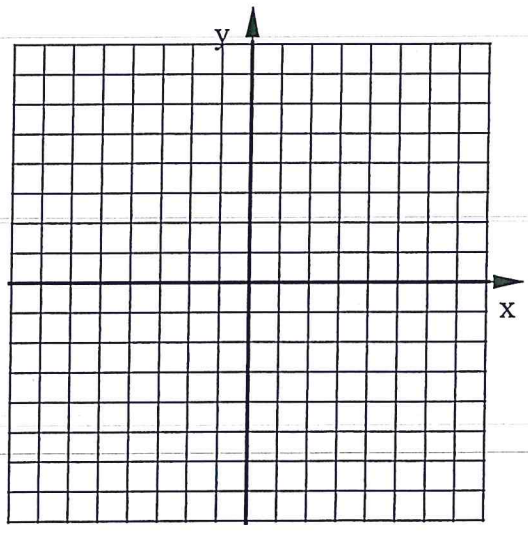


2. Below is the graph of $y = f(x)$
Graph this transformation of this function:
$y = -3f(x+2) + 4$

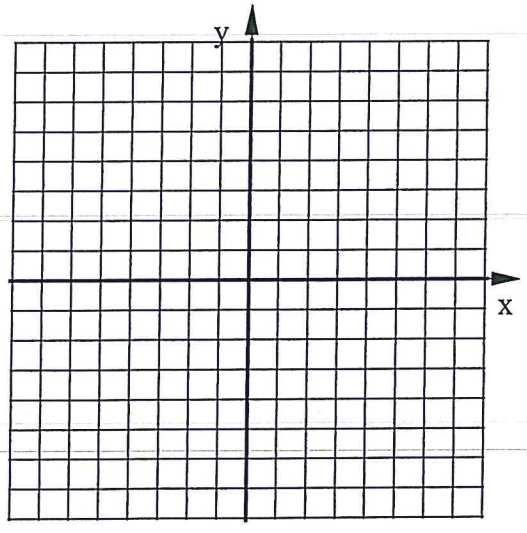


Graph each quadratic using at least five points.

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



4. $y = -2(x-4)^2 + 1$



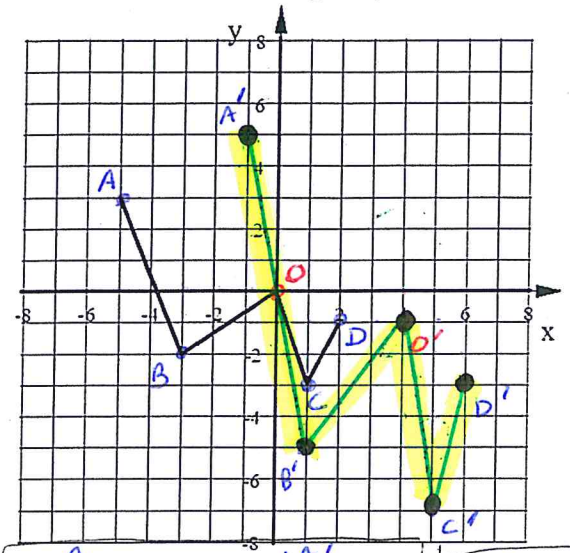
Bellwork Hon Alg 2 Tuesday, November 1, 2016

Answers

1. Below is the graph of $y = f(x)$

Graph this transformation of this function:

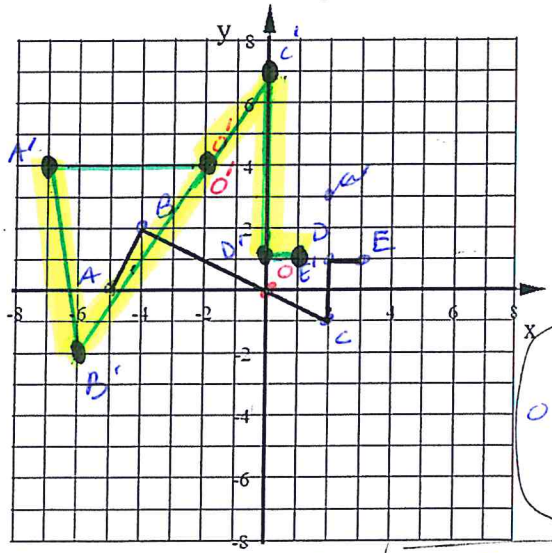
$y = 2f(x-4) - 1$ 4 RIGHT 1 DOWN 2x TALLER



2. Below is the graph of $y = f(x)$

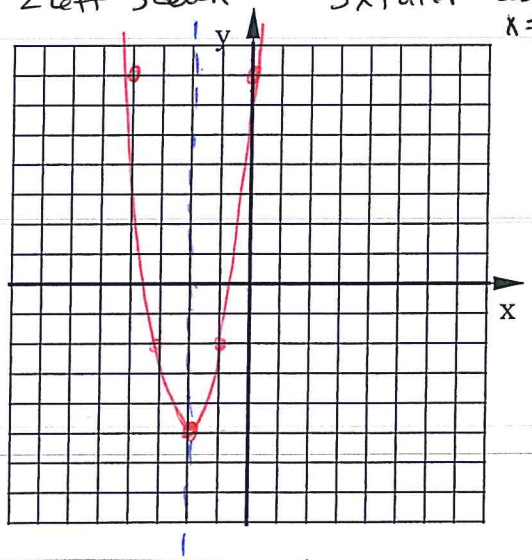
Graph this transformation of this function:

$y = -3f(x+2) + 4$ 2 Left 4up 3x Taller & upside down



Graph each quadratic using at least five points.

3. $y = 3(x+2)^2 - 5$ Vertex $(-2, -5)$ 2 left 5 down 3x taller LOS: $x = -2$



4. $y = -2(x-4)^2 + 1$ Vertex $(4, 1)$ 4 RIGHT 1up 2x taller upside down LOS: $x = 4$