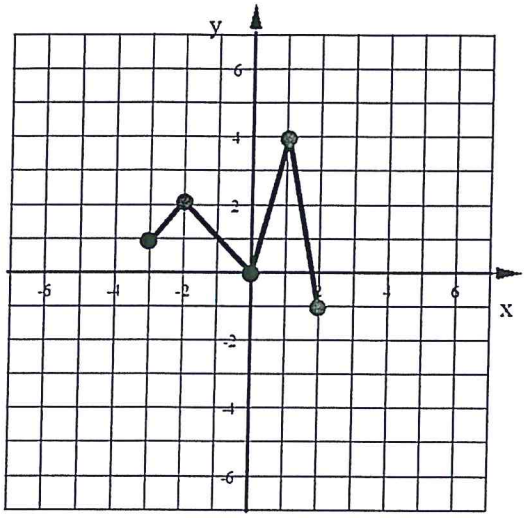
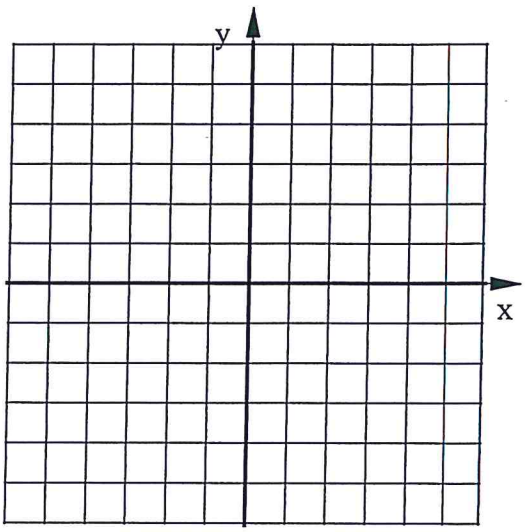
Bellwork Alg 2A Friday, November 4, 2016

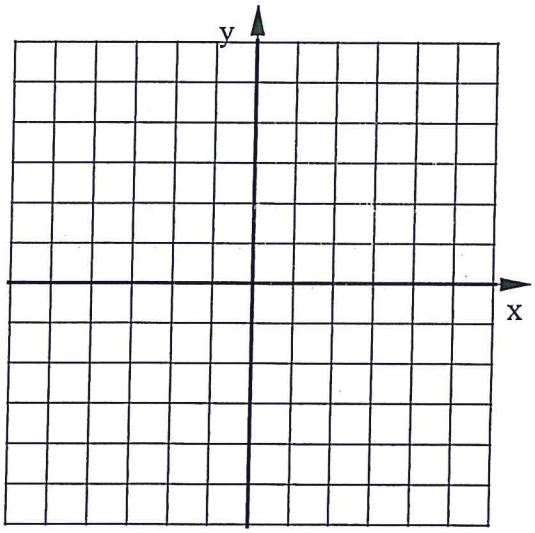
1. Below is the graph of $f(x)$.
Graph $y = -2f(x-5)+5$



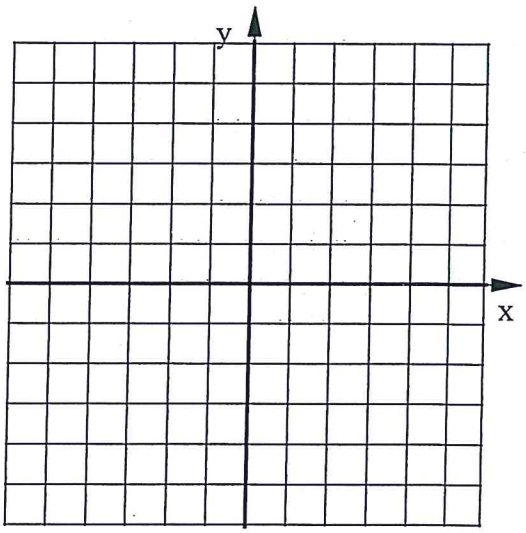

2. Graph this inequality:
$16x - 12y > 48$




3. Graph this inequality.
$y \geq -2|x+3|+2$




4. Graph this inequality.
$y+4 \leq 5(x-3)$



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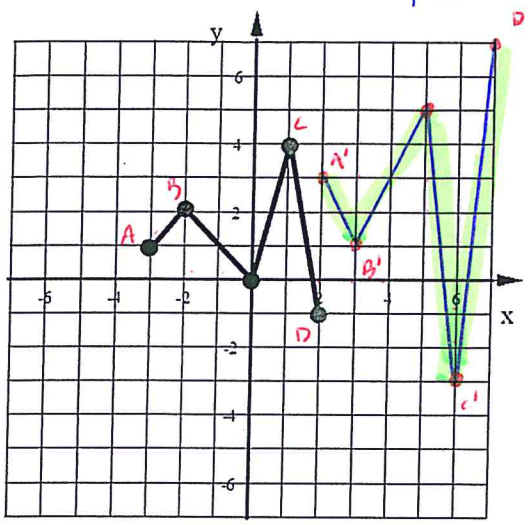
ANSWERS

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

Graph $y = -2f(x-5)+5$

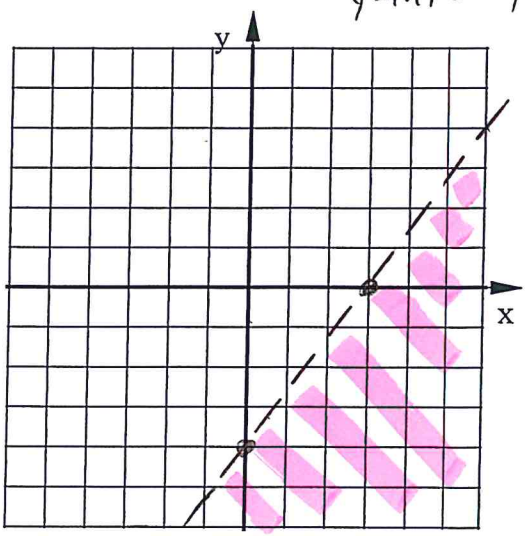
5 RIGHT 5 up
2x taller
upside down




2. Graph this inequality:

$16x - 12y > 48$

x-int = 3
y-int = -4



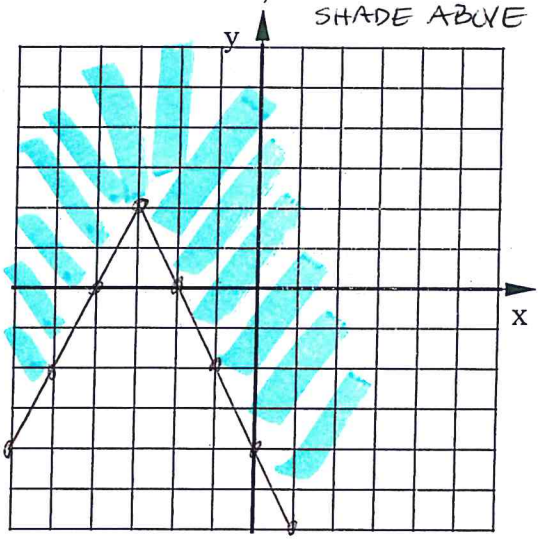

TEST (0,0)

16(0) - 12(0) > 48
0 > 48
FALSE
SHADE OTHER SIDE
↓
Below

3. Graph this inequality.

$y \geq -2|x+3|+2$

3 left 2 up
opens down 2x taller
SHADE ABOVE




4. Graph this inequality.

$y + 4 \leq 5(x-3)$

point: (3, -4)
m = 5
shade Below