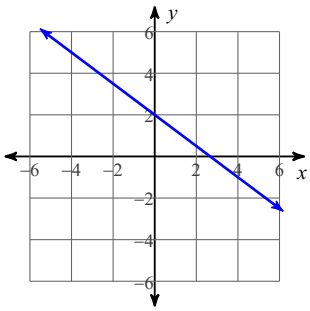
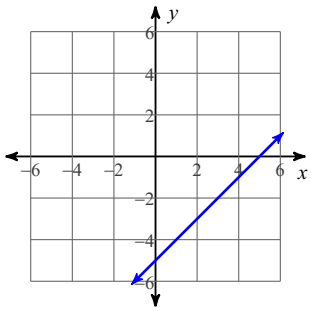
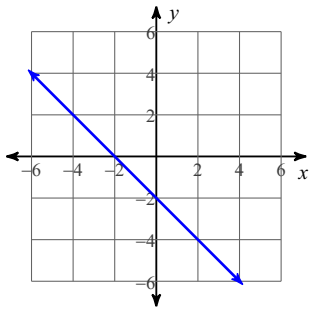
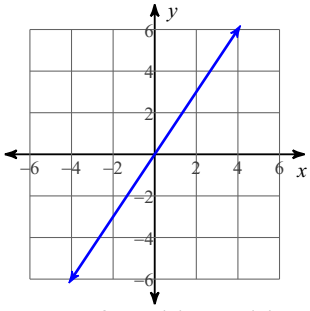
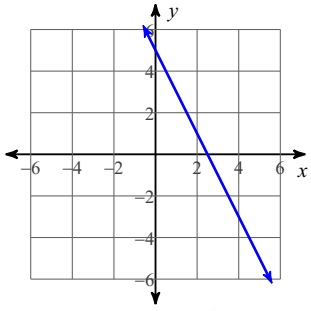
Answers to HW17: Standard Form & Inequalities

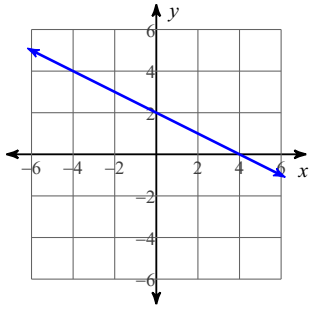
1) 

2) 

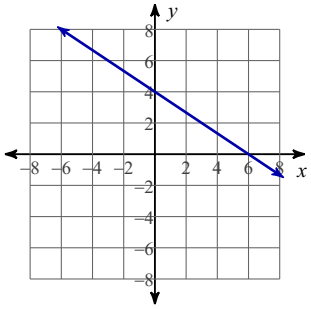
3) 

4) 

5) 

6) 

7) x = # of cookies sold
y = # of cupcakes sold
$2x + 3y = 12$
*different variables acceptable

8) 

9) Yes, the point $(0, 4)$ is on the graph.

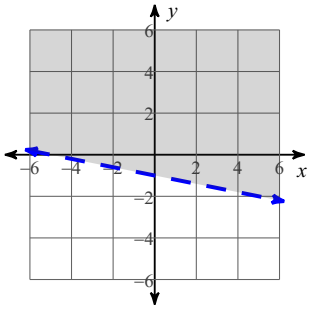
10) No. $(1.5, 3)$ is on the graph, but Daniel cannot sell half a cookie.

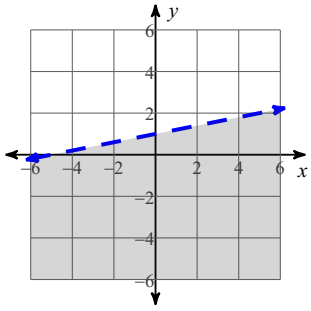
11) Yes. $(2, 3)$ is on the graph.

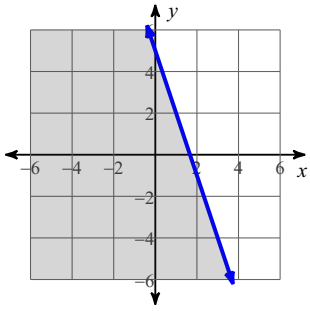
12) No. $(5, 0)$ is not on the graph.

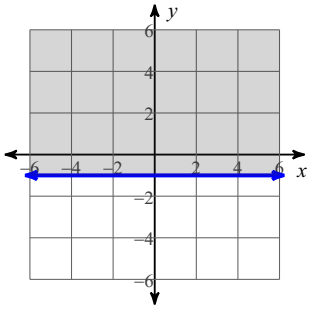
13) $(0, 3)$ and $(-2, -6)$ are solutions.
$(6, 1)$ and $(2, -3)$ are not.

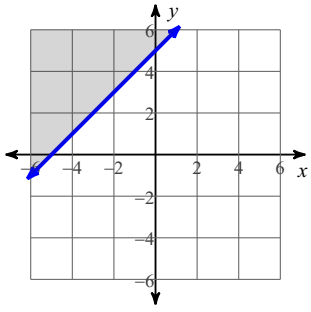
14) $(-4, -7)$ is a solution.
$(0, -1)$, $(2, 2)$ and $(-2, 5)$ are not.

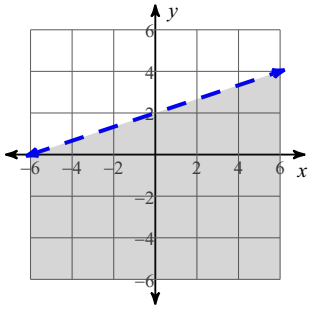
15) 

16) 

17) 

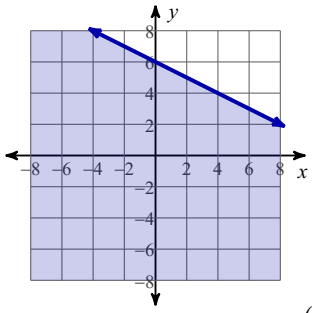
18) 

19) 

20) 

21) b = # of books read
m = # of movies watched
$2m + 4b = 24$

22)



23) Yes. $(4, 3)$ is a solution to the inequality.

24) Yes. $(10, 1)$ is a solution to the inequality.

25) No. $(5, 5)$ is not a solution to the inequality.

26) No. $(-3, 8)$ is a solution, but Karen cannot watch –3 movies.

27) -1

28) $\frac{1}{3}$

29) $-\frac{8}{19}$

30) $\frac{19}{18}$