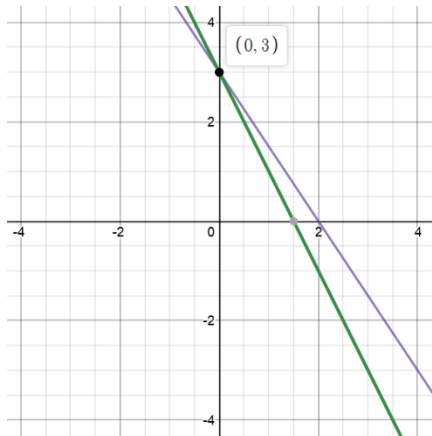
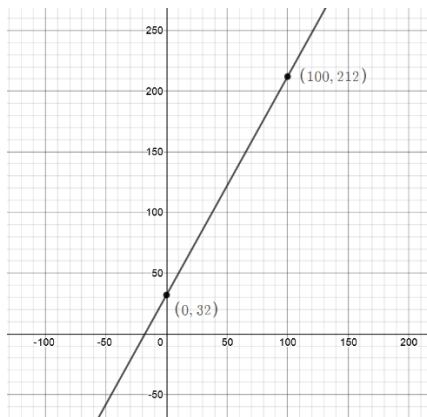


1. $-\frac{5}{6}$
2. $x = \frac{6}{7}, y = 3\frac{3}{7}$
3. $y = 3 - \frac{3}{2}x$, slope = $-\frac{3}{2}$
4. Slope = -2 , steeper than previous question
5. $(0, 3)$



6.

a.

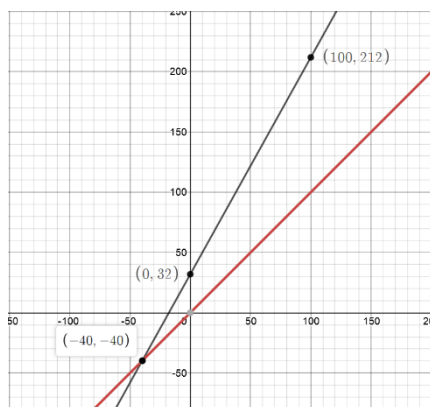


b. $(F - 100) = \frac{212 - 32}{100 - 0}(C - 212)$

c. 1.8 degrees F

d. $-40\text{ C} = -40\text{ F}$

e.



7.

a. $(y - 0) = -\frac{15}{20}(x - 20) \rightarrow \text{slope} = -\frac{3}{4}$

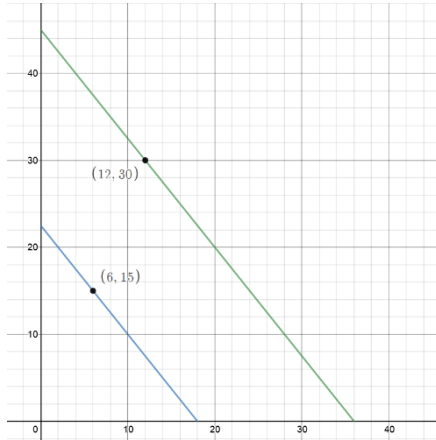
b. 12 M, 6 P

8.

a. $\frac{4}{5}$ or $\frac{5}{4}$ depending on which good on x/y axis

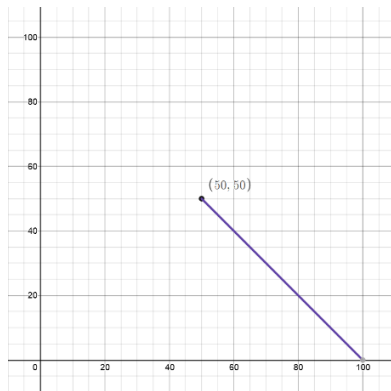
b. $W = 6, F = 15$

c. $W = 12, F = 30$

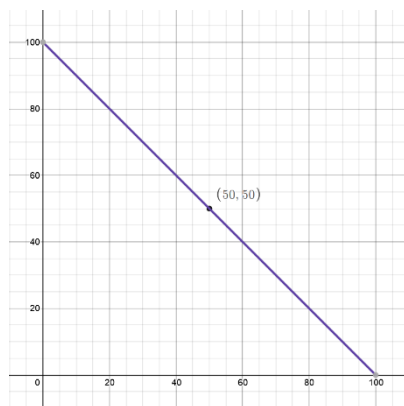


9.

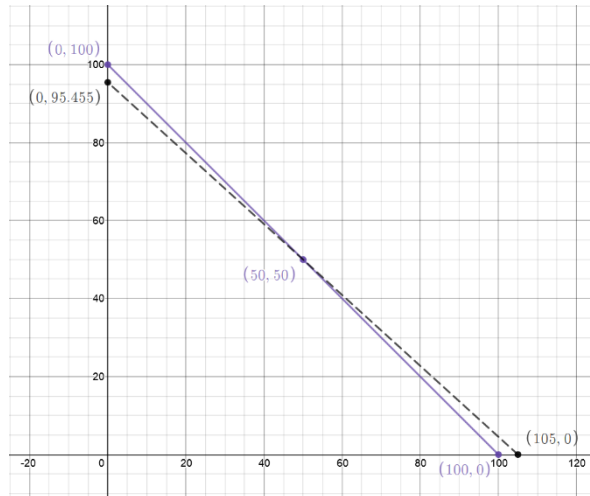
a.



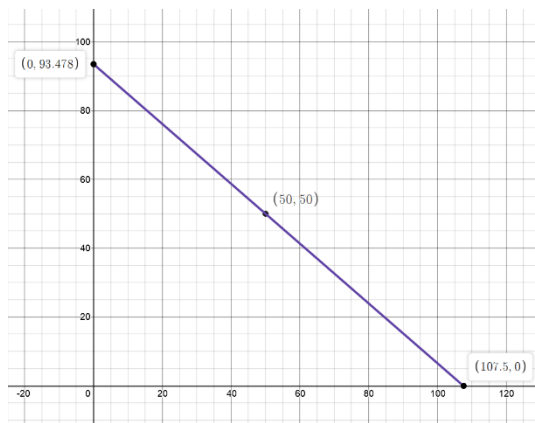
b.



c.



d.



e. Yes!

10. $f'(x) = 6x + 4$