

Part II: Evaluate a linear function.

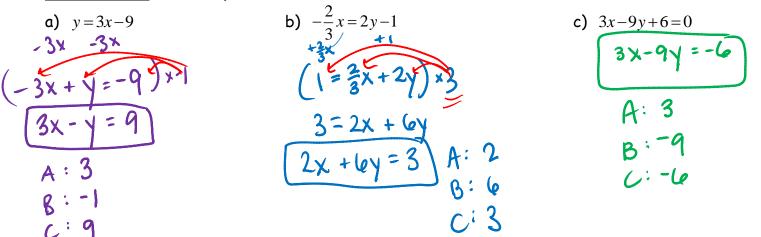
The linear function f(C) = 1.8C + 32 can be used to find the number of degrees Fahrenheit (f) that are equivalent to a given number of degrees Celsius (C).

a) On the Celsius scale, normal body temperature is $37^{\circ}C$. What is it in degrees Fahrenheit? f(37) = 1.8(37) + 32= 66.6 + 32

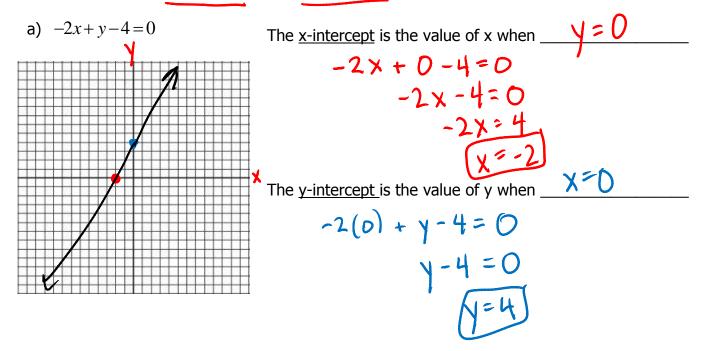
b) There are 100 Celsius degrees between the freezing and boiling points of water and 180 Fahrenheit degrees between these two points. How many Fahrenheit degrees equal 1 Celsius degree?

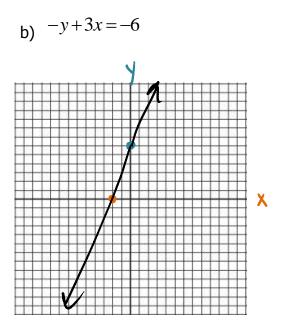


Part III: Write each equation in standard form (Ax+By=C) where <u>A must be a positive</u>, <u>whole number</u>! Identify A, B, and C.



Part IV: Find the x-intercept and y-intercept and graph the equation.





$$\frac{x - int}{0} (y=0)$$

$$-0 + 3x = -6$$

$$3x = -6$$

$$(x = -2)$$

$$\frac{y - int}{x} (x=0)$$

$$-y + 3(0) = -6$$

$$y = -6$$

$$(y=6)$$