This assignment is a gauge and will not be graded

1) Find the slope of the line that passes through $(3, 0)$ and $(-11, -15)$.

a) $\dfrac{-15}{14}$

b) $-\dfrac{15}{14}$

c) $\dfrac{15}{-14}$

d) $\dfrac{15}{14}$

2) Find the equation for the linear function.
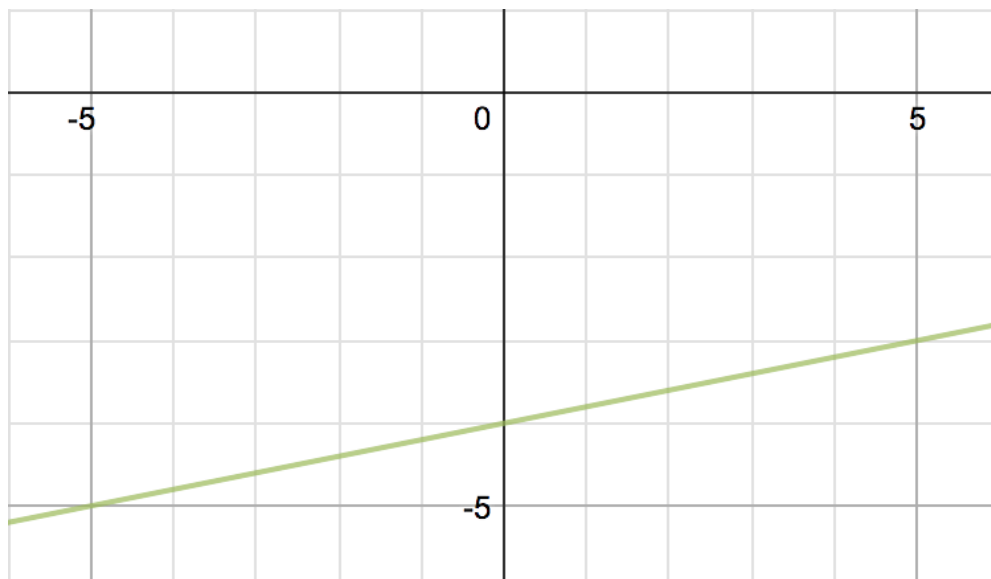
$hint: y = mx + b$
$m = slope$
$b = y - int$

a) $y = \dfrac{1}{5}x + (-5)$

b) $y = \dfrac{1}{5}x - 4$

c) $y = -\dfrac{1}{5}x + 4$

d) $y = \dfrac{1}{5}x + 4$

3) What is the equation of the line that passes through $(-1, 6)$ and $(-2, -8)$?

hint: $y = mx + b$
$m = slope$
$b = y - int$

a) $y = 7x - 4$

b) $y = 14x + 20$

c) $y = -14x + 4$

d) $y = -\dfrac{1}{14}x - 4$

4) Find the x- and y-intercepts of the line $6x + 5y = -15$

hint:
$x - int: (x, 0)$
$y - int: (0, y)$

a) $x - int = 25 \; ; y - int = -3$

b) $x - int = 2.5 \; ; y - int = -5$

c) $x - int = 2\dfrac{1}{2} \; ; y - int = -3$

d) $x - int = -2\dfrac{1}{2} \; ; y - int = -3$

5) State the slope and the y-intercept for the graph of the equation

$$y = -4x + 5$$

hint: $y = mx + b$
$m = slope$
$b = y - int$

a) $5 \; ; -4$

b) $5 \; ; 4$

c) $-4; 5$

d) $4 \; ; 5$