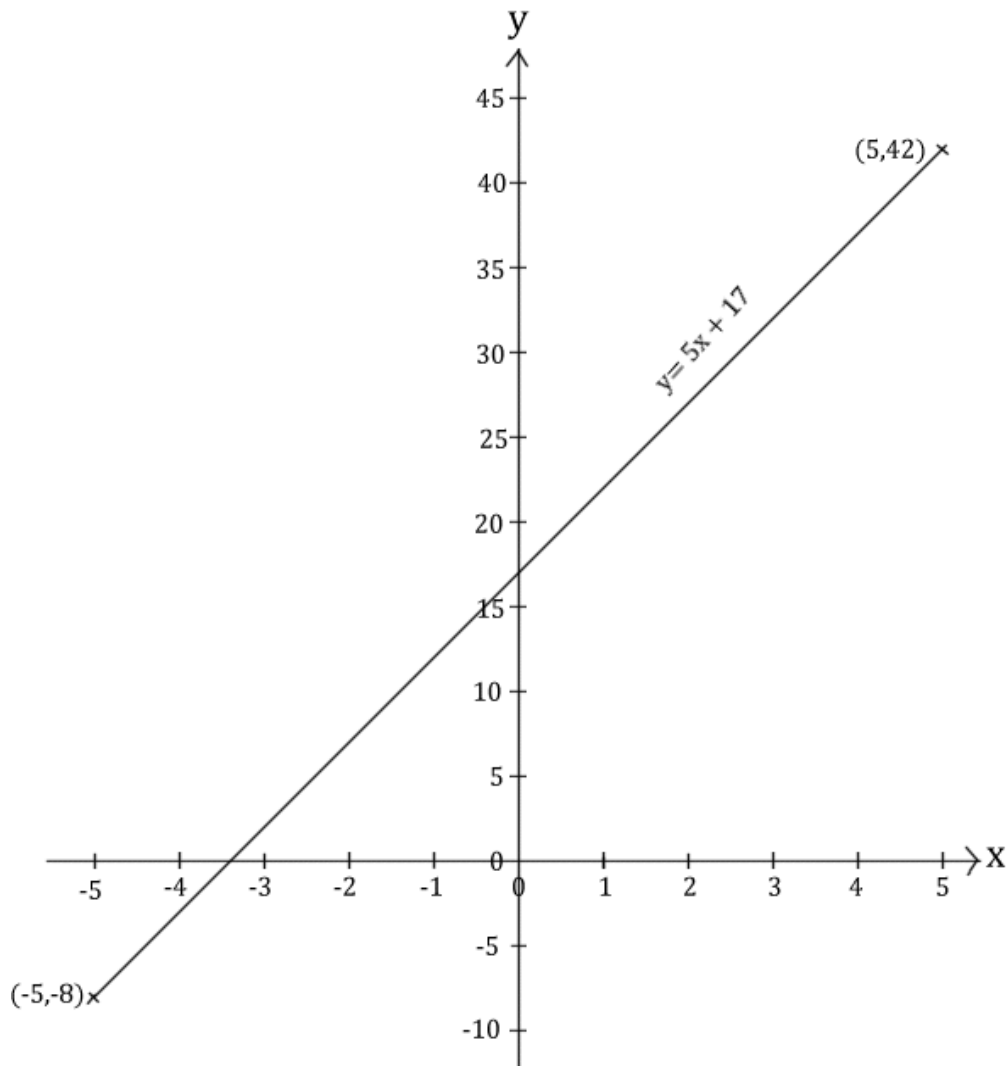


## Linear Equations - ANSWERS

1.

- a. -8
- b. 42



2.

- a. -1
- b. If you use the points  $(-2, -4)$  and  $(3, 4)$ ,  $y$  increases by 8 when  $x$  increases by 5.  
Therefore the gradient is  $\frac{8}{5}$  or 1.6.  
You could have chosen other points and got the same result.
- c. The equation can be written as:  $y = \frac{8}{5}x - 1$  or  $y = 1.6x - 1$