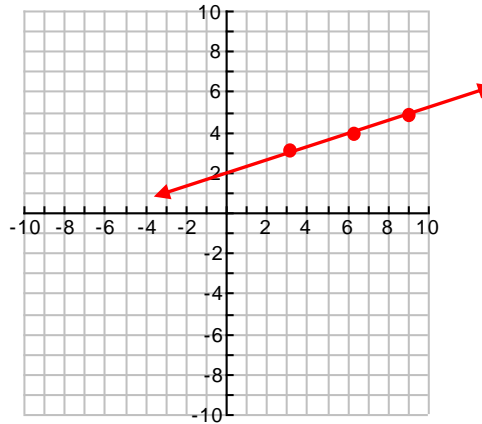


10.  $m = \frac{-6 - 2}{4 - 7} = \frac{-8}{-3} = \frac{8}{3}$

14.  $m = \frac{2 - 2}{-6 - 3} = \frac{0}{-9} = 0$

20. Passes through the point (3, 3)  
with a slope of 1/3



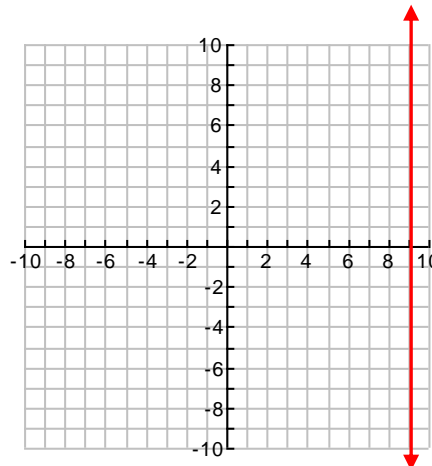
24.  $y = 3x + 6$   $y = mx + b$  where m represents slope and b represents y-intercept

30.  $m = \frac{5 - 0}{8 - 5} = \frac{5}{3}$  and since the point (0, 5) was given, 5 is the y-intercept

$$y = \frac{5}{3}x + 5$$

36. Horizontal line is the y value, so  $y = -1$ ; Vertical line is the x value, do  $x = 0$ .

40. This is a vertical line at  $x = 9$

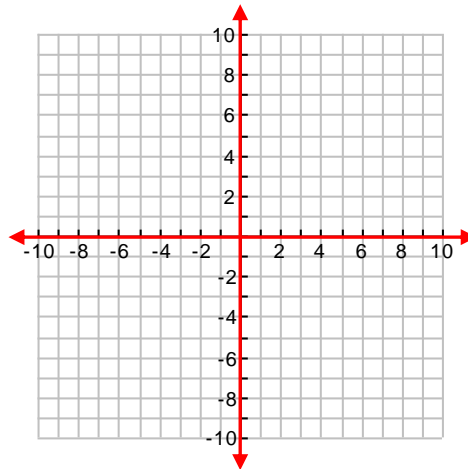


46.  $-5x + y = 2$

$+5x \quad +5x$

$y = 5x + 2$

50. The intersection point will be (0, 0)



56. Since the x-intercept of the line is 2, that has to be the point (2, 0) and since the y-intercept of the line is 4, that has to be the point (0, 4). Use these two points to find the

slope.  $m = \frac{4-0}{0-2} = \frac{4}{-2} = -2$   $y = -2x + 4$

64.  $5 = \frac{k-3}{8-7}$   $5 = \frac{k+3}{1}$   $5 = k + 3$  subtract 3 from both sides, which leaves  $2 = k$  so Answer B

66. Answer D Cannot be true; since they both contain point D, they must intersect, meaning they cannot be parallel.