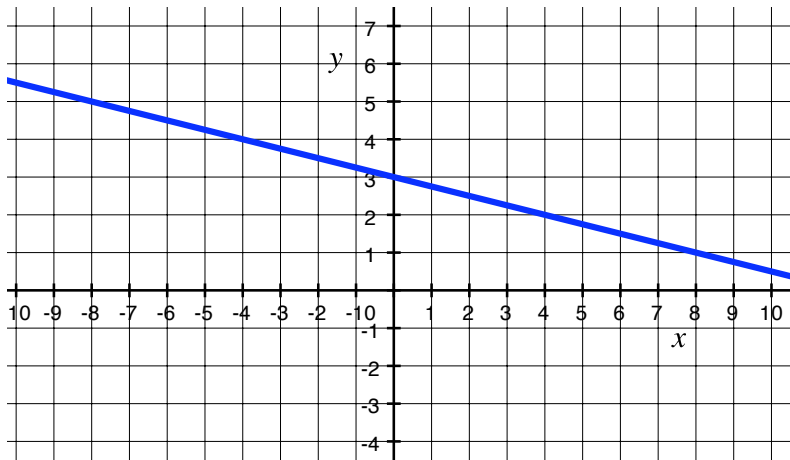


## Math 80 Quiz #4 Answers

1.  $y = -\frac{1}{4}x + 3$  (Slope =  $-\frac{1}{4}$ ,  $y$ -intercept:  $(0,3)$ )



2.  $y = 2x - 4$  (Slope = 2,  $y$ -intercept:  $(0,-4)$ )

3. These lines are neither because the slopes are not equal (which would be necessary for the lines to be parallel) and the slopes are not negative reciprocals (which would be necessary for the lines to be perpendicular).

4. Slope =  $-3$  Possible answers:

- Using point-slope form:  $y - 4 = -3(x + 1)$  OR  $y + 2 = -3(x - 1)$
- In slope-intercept form:  $y = -3x + 1$