

Please complete the following **on a separate piece of paper**.

1. State the slope and the y-intercept for the line represented by each equation.

a)  $y = 3x + 5$       b)  $y = -2x + 3$       c)  $y = \frac{2}{5}x - 4$       d)  $y = -\frac{1}{2}x + 6$

e)  $y = -4x - 7$       f)  $y = \frac{3}{8}x - \frac{5}{2}$       g)  $y = \frac{4}{3}x - 2$       h)  $y = \frac{9}{5}x + 1$

(16)

2. Write the equation of each line with the given slope and y-intercept.

a)  $m = 2, b = 3$       b)  $m = -1, b = 4$       c)  $m = \frac{2}{3}, b = -1$

d)  $m = -\frac{4}{5}, b = 8$       e)  $m = -3, b = \frac{5}{2}$       f)  $m = 0, b = 3$

(12)

3. Graph the line represented by each equation.

a)  $y = \frac{2}{5}x + 3$       b)  $y = \frac{3}{4}x - 2$       c)  $y = -\frac{1}{2}x + 1$       d)  $y = -\frac{3}{2}x - 1$

e)  $y = 2x - 3$       f)  $y = -x + 5$       g)  $y = -3x + 2$       h)  $y = 0x - 4$

(16)

4. Graph the line represented by each equation.

a)  $3x - 2y = 4$       b)  $2x + 4y = 5$       c)  $4x - y = -2$

(6)