

Chapter 4 Review Sheet

1. Indicate whether the following is a solution to the equation $3x - 4y = 12$.

(a) $(2, \frac{2}{3})$

(b) $(k, \frac{3}{4}k - 3)$

(c) (k, k)

2. Find me some slopes:

(a) $(-3, 7), (69, 7)$

(b) $(69, 69), (-69, 69)$

(c) $(-2, 5), (8, -3)$

3. Determine the slope of each line and graph

(a) $x + 3y - 6 \geq 0$

(b) $4x - 3 = 13$

(c) $23 = 10 - 3y$

4. Find the slopes of a line that is (a) parallel and (b) perpendicular to those in number 3 a,b,c.

Write an equation that:

(a) Is parallel to the line $24 - 4y = 10$ and contains the point $(1,1)$.

(b) Is perpendicular to the line $2x - 3y = 1$ with y-intercept $(0,-4)$.

(c) Is perpendicular to the line $3x - 2y = 69$ and passed through the point $(-2,-3)$.