Homework Questions 1 – Gradient of a Line using y=mx+c

- 1. State the gradient and the y-intercept of the following linear equations a) y = 2x - 3
 - m= 2 c = -3 b) y = 4 - 6xm= -6 c = 4 c) 2y = 8x + 4
 - d) 4 = 7x + 3y

c) y = 6 - 2x

m=	_ 7	$c = \frac{4}{2}$
	3	3

c = 2

m= 4

- 2. These lines intercept the y axis at (0, c) find the value of c. a) 3x = 2y - 5
 - C = 2.5b) 7y - 2x + 4 = 0
 - C = 7
 - C = 6
- 3. A line is parallel to the line y=4x-2 and has an intercept of 4. What is the equation of the line?

4. A line is parallel to 2x-4y-6=0 and passes through the point (0,5). What is the equation of the line?

5. The line 2x-5y=20 meets the y-axis at point A and the x-axis at point B. work out the coordinates of points A and B.

A(0, -4) B(10,0)

4

y = 4x + 4

2y = x + 10