

(C1-5.1) Name:

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=	c=
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b) $y = 4 - 6x$

m=	c=
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c) $2y = 8x + 4$

m=	c=
----	----

d) $4 = 7x + 3y$

m=	c=
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2. These lines intercept the y axis at (0, c) find the value of c.

a) $3x = 2y - 5$

C=

b) $7y - 2x + 4 = 0$

C=

c) $y = 6 - 2x$

C=

3. A line is parallel to the line $y=4x-2$ and has an intercept of 4. What is the equation of the line?

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

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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.

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