Worksheet A

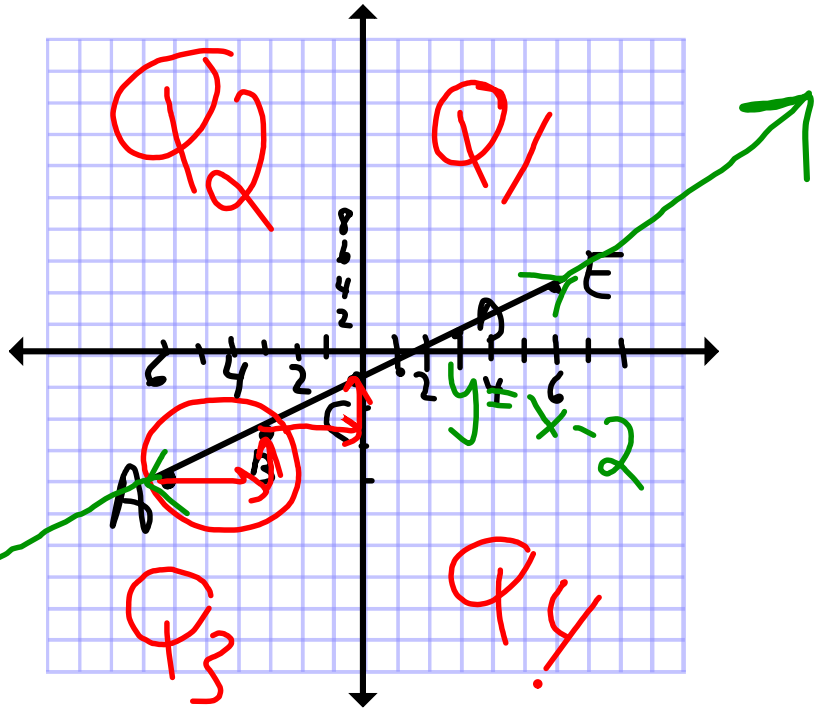
a)

y = x - 2

x	calculation	y
-6	y = (-6)-2	-8
-3		-5
0		-2
3		1
6		4

Domain x_3

Range x_2



A(-6, -8)

Rate Triangle!

b) $y = \frac{1}{4}x + 3$

$x = -4$

$y = \frac{1(-4)}{4} + 3$

$y = \frac{-4}{4} + 3$

$y = -1 + 3$

$y = 2$

x	y
-4	2

$(-4, 2)$

c) $3x + 2y = 4$

D $\{-6 \leq x \leq 6\}$

D $\{x \mid -6, -3, 0, 3, 6\}$

$x = -3$ solve for y.

$3(-3) + 2y = 4$

$-9 + 2y = 4$

$2y = 4 + 9$

$2y = 13$

$\frac{2y}{2} = \frac{13}{2}$

$y = \frac{13}{2}$

$y = 6.5$

x	y
-3	6.5

c) How would you plot a repeating decimal co-ordinate?

x	y
-3	$\frac{13}{3} = 4.\overline{3}$

Round off, but leave accurate value in the table of values.

learn these words

relation
function
polynomial
model
equation
formula
expression