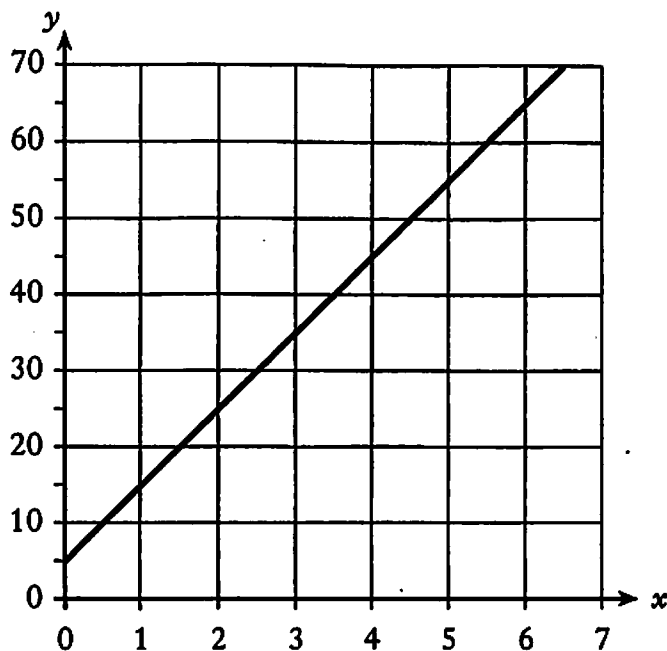


Straight line Int 2 PP 2001 -2008

A

2.

2001 P1 non calculator



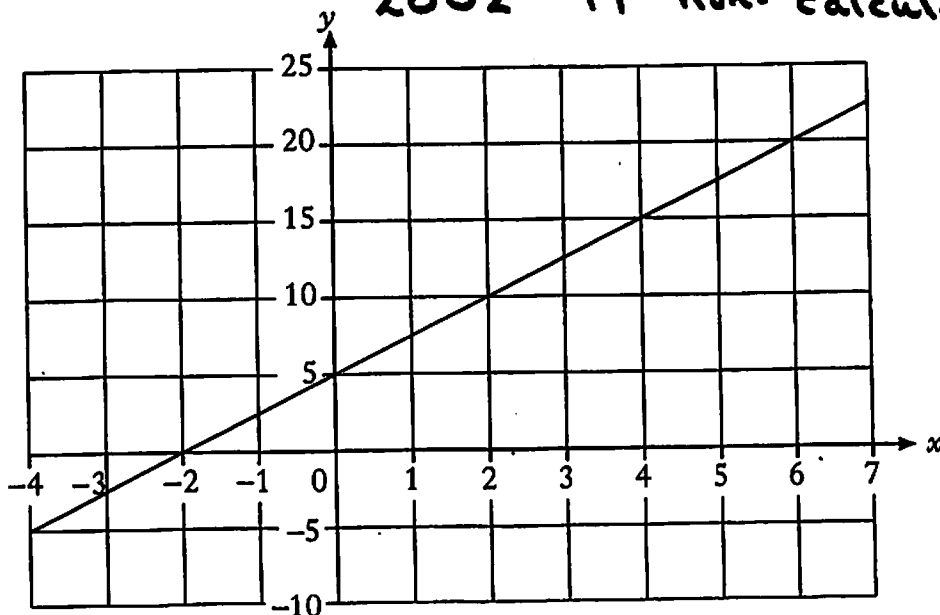
Find the equation of the straight line.

3

B

2.

2002 P1 non-calculator



Find the equation of the straight line shown in the diagram.

3

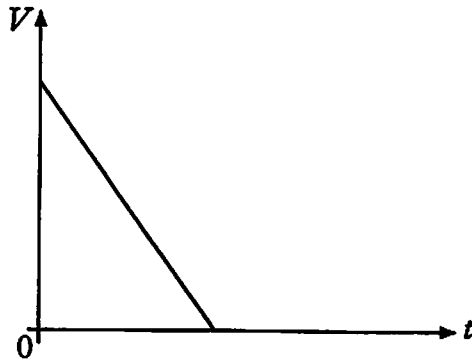
Straight line Int 2 PP 2001 -2008

2003 P2 calculator

- C 4. A bath contains 150 litres of water.

Water is drained from the bath at a steady rate of 30 litres per minute.

The graph of the volume, V litres, of water in the bath against the time, t minutes, is shown below.

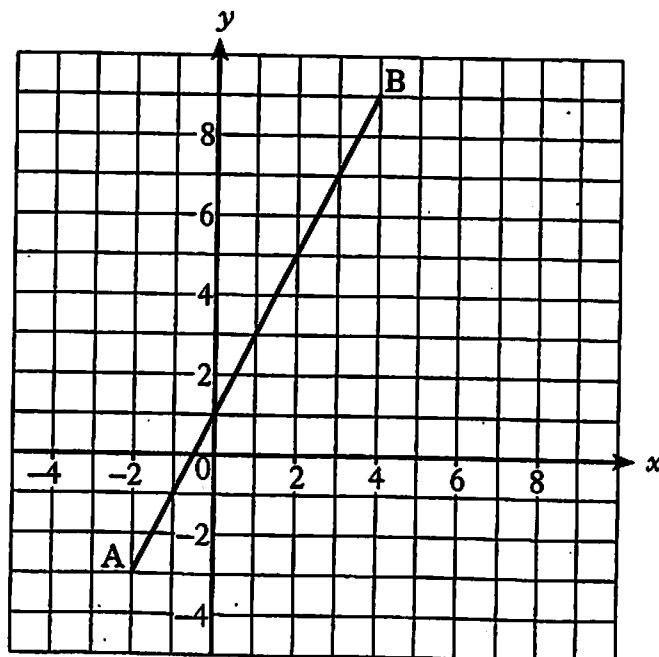


Write down an equation connecting V and t .

3

2004 P1 non-calculator

D 2.



Find the equation of the straight line AB.

3

2006 P1 non-calculator

- E 5. A straight line is represented by the equation $2y + x = 6$.

(a) Find the gradient of this line.

2

(b) This line crosses the y -axis at $(0, c)$.

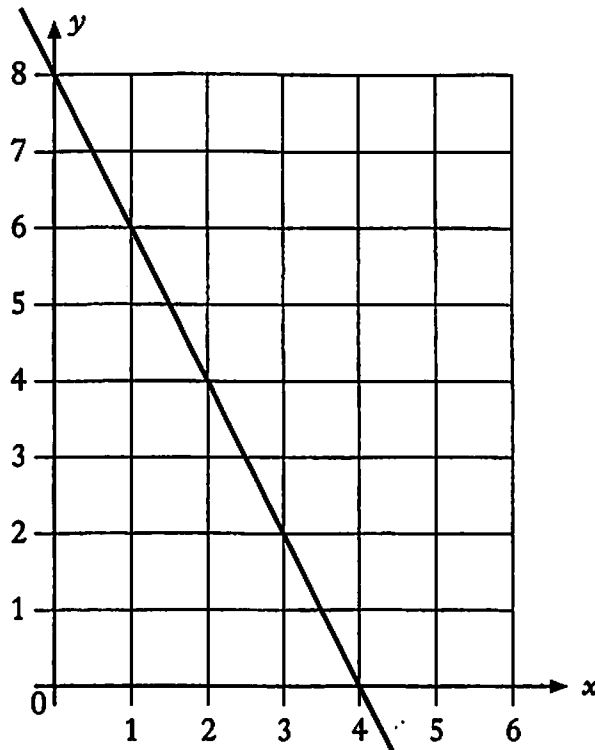
Find the value of c .

1

Straight line Int 2 PP 2001 -2008

2005 P1 non-calculator

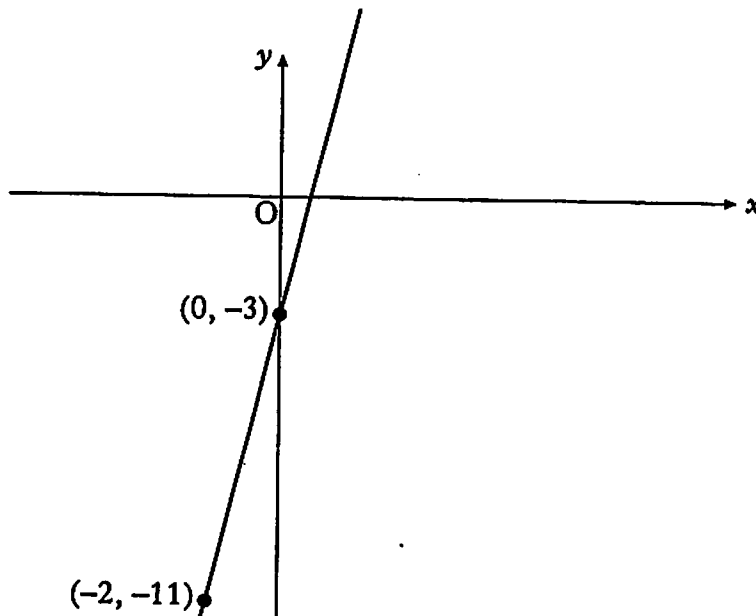
F 2.



- (a) Find the equation of the straight line shown in the diagram. 3
- (b) Find the coordinates of the point where the line $y = 2x$ meets this line. 2

2007 P1 non-calculator

G 2.



Find the equation of the straight line passing through the points $(0, -3)$ and $(-2, -11)$.

3

2008 P1 non-calculator

- H 1. A straight line has equation $y = 4x + 5$.
State the gradient of this line.

1

Int. 2 - Straight line homework

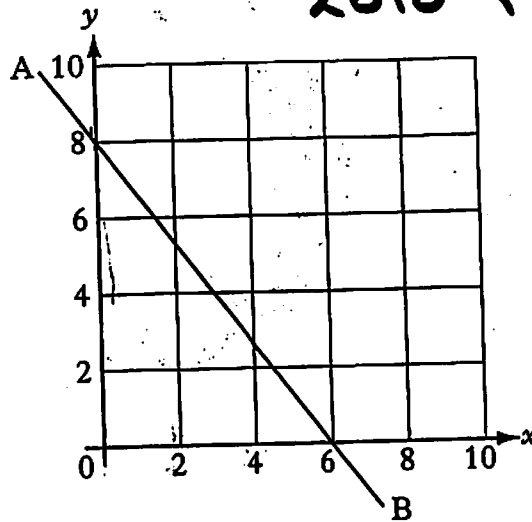
2009 P1

7. A straight line is represented by the equation $x + y = 5$.
Find the gradient of this line.

2

1.

2010 P1



- Find the equation of the straight line AB shown in the diagram.

3

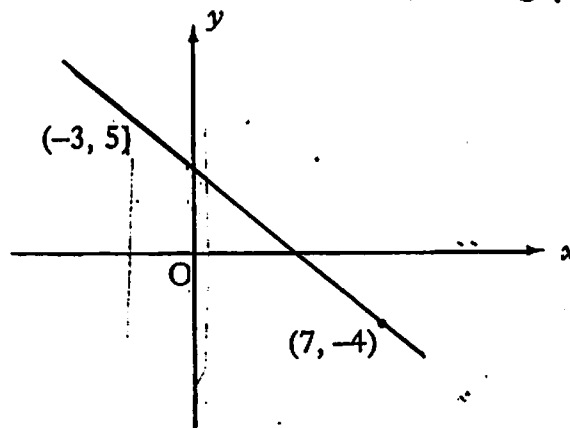
2011 P1

8. A straight line is represented by the equation $y = mx + c$.
Sketch a possible straight line graph to illustrate this equation when $m > 0$ and $c < 0$.

2

1.

~~2011~~ 2011 P2



- Calculate the gradient of the straight line passing through the points $(-3, 5)$ and $(7, -4)$.

1