Name:

Write down the y-intercept of the following lines:

a) **5**

b) **-6**

c) **-2**

d) **2**

e) **7**

f) **-4**

g) **4**

h) **-5**

i) **3**
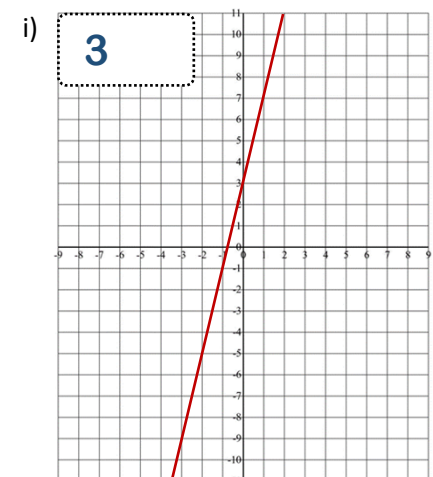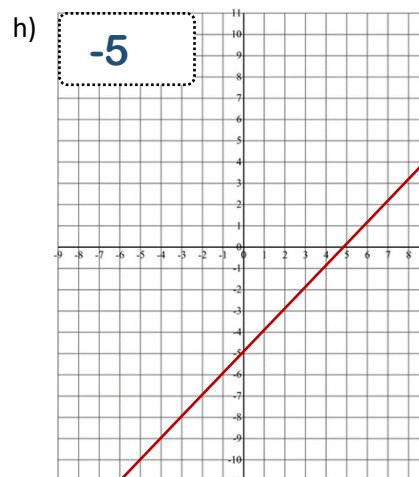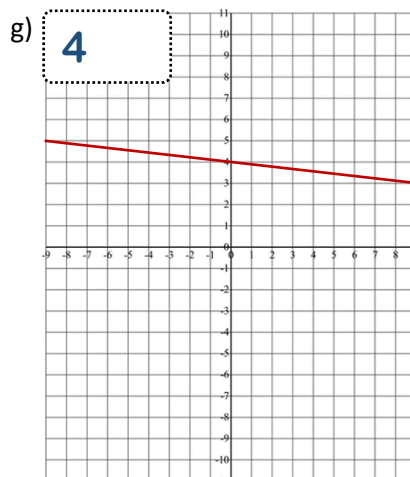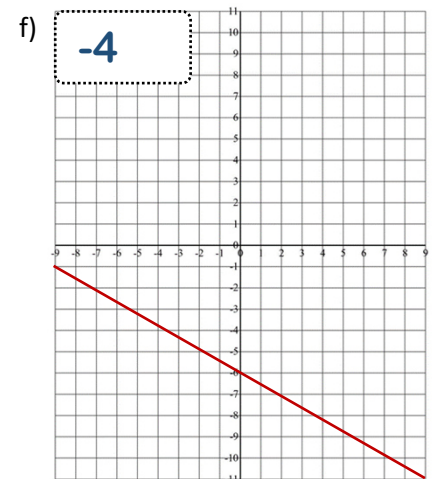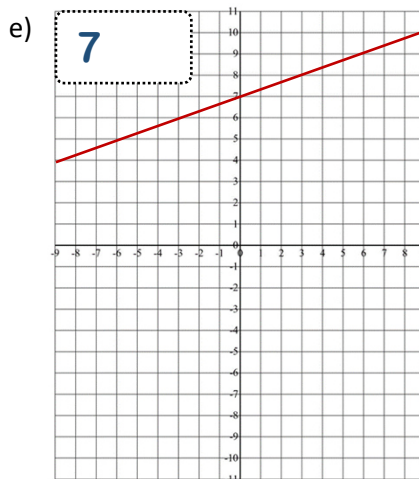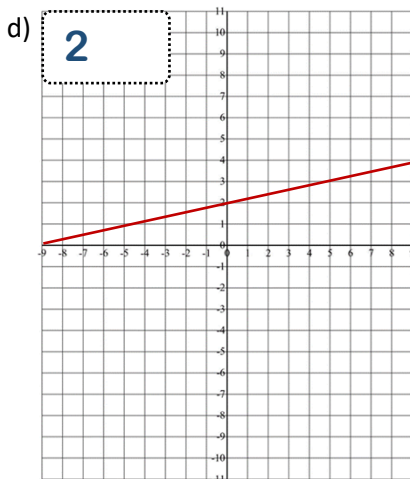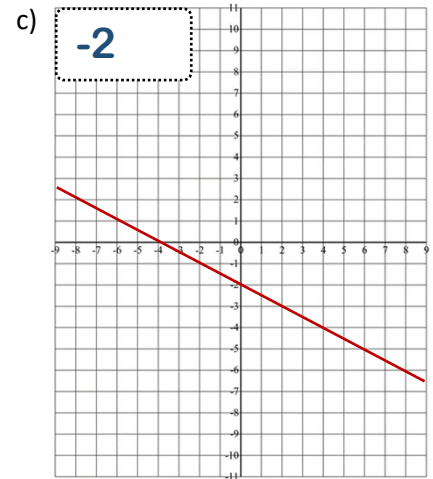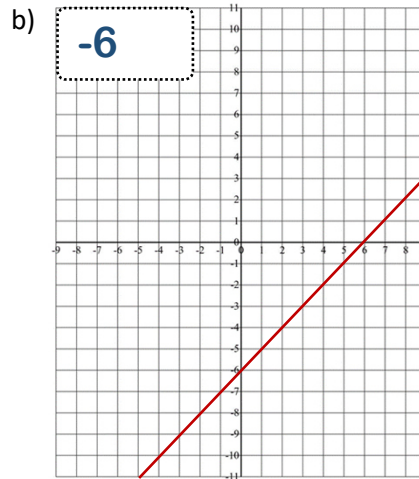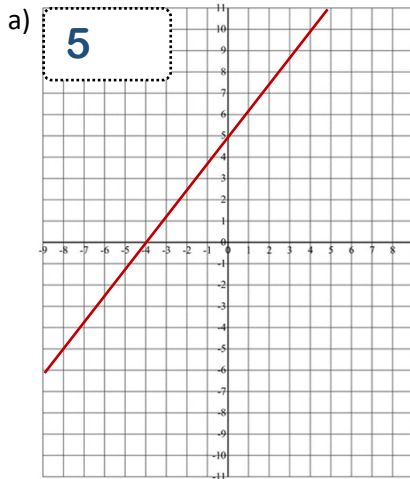
Exam question:

The line $y = 2x + 5$ crosses the y axis at P.

What is the value of y at P?
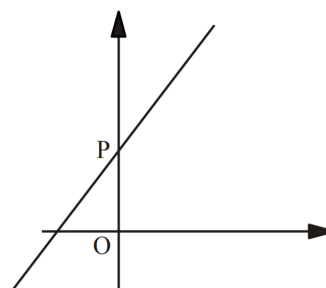
5

P

O

Name:

Find the gradient of the following lines:

a) **1**

b) **2**

c) **0.5**

d) **-1**

e) **-0.5**

f) **⅓**

g) **1.5**

h) **4**

i) **–⅓**
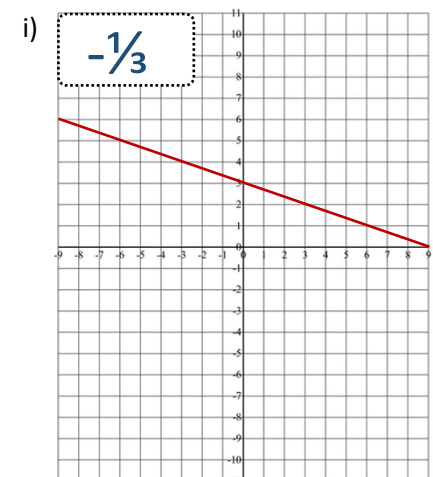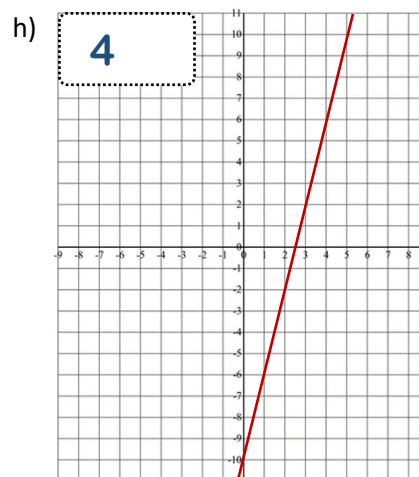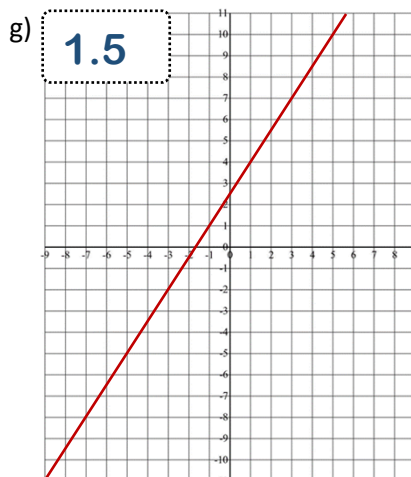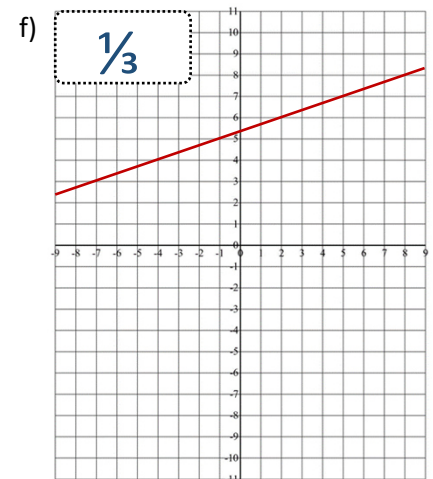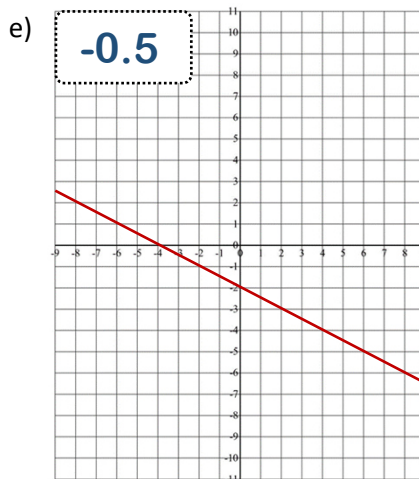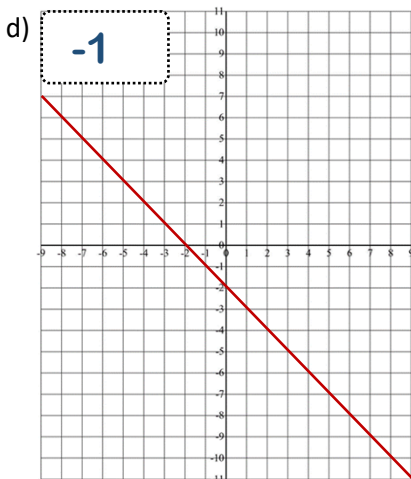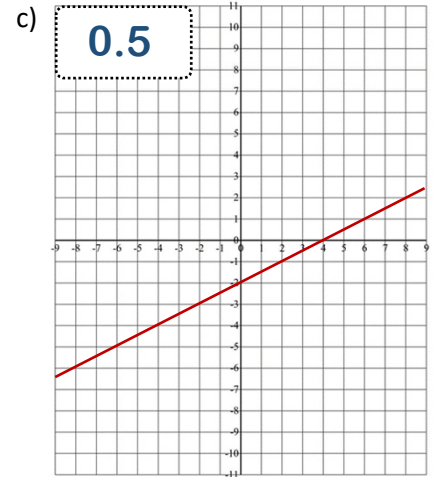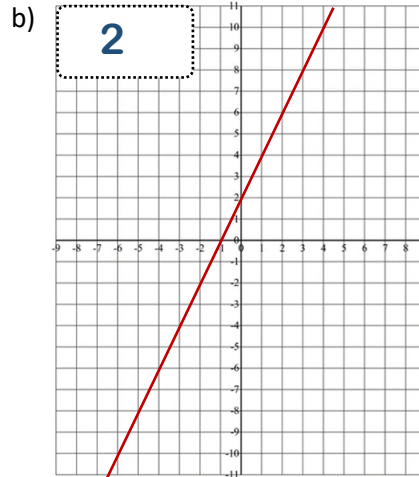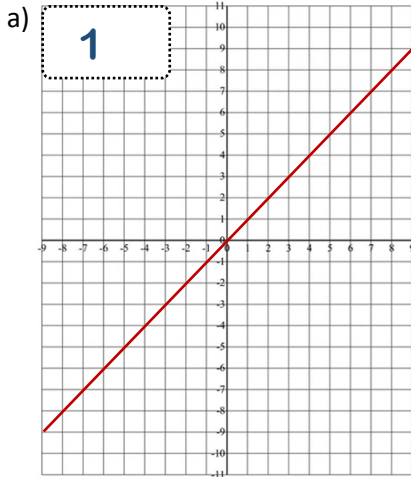
Exam question:

The line shown crosses the y axis at (0,5) and the x axis at (-2,0).

What is the gradient of the line?

2.5

(0,5)
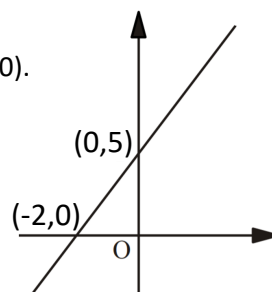
(-2,0)

O

Name:

Write down the equation of the following lines in the form $y = mx + c$:

a) y = x + 1

b) y = 2x - 2

c) y = ½x - 4

d) y = -x - 4

e) y = -½x - 3

f) y = ⅓x + 4

g) y = 1.5x + 1

h) y = 4x - 8

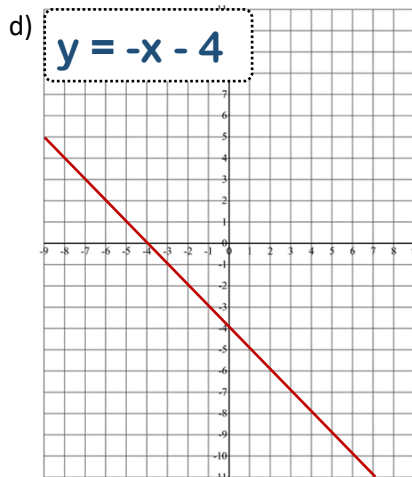i) y = -⅓x - 6
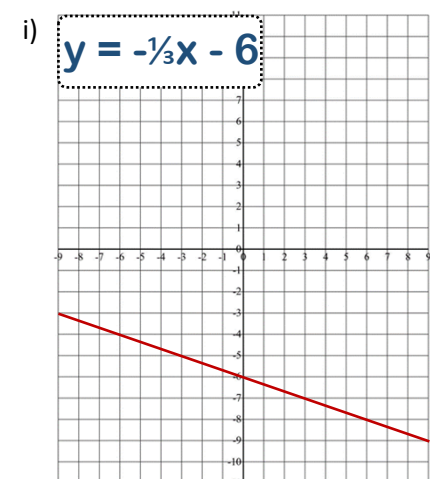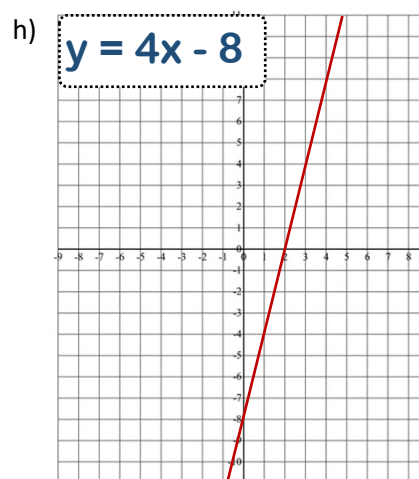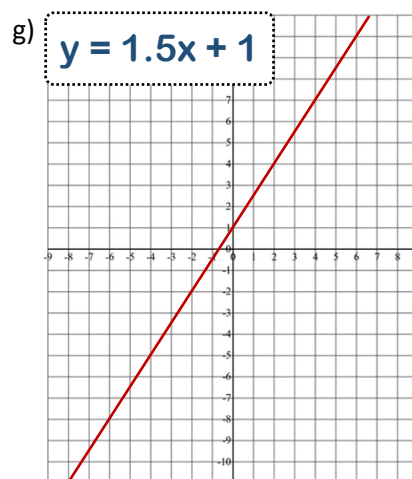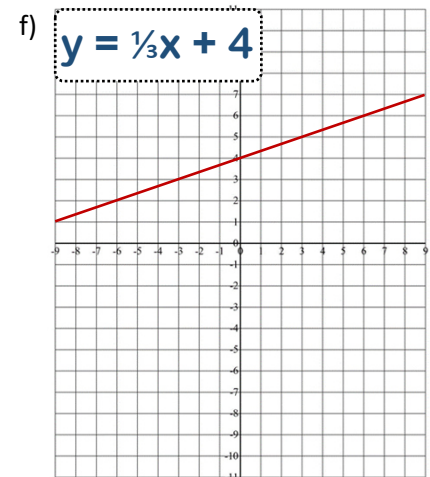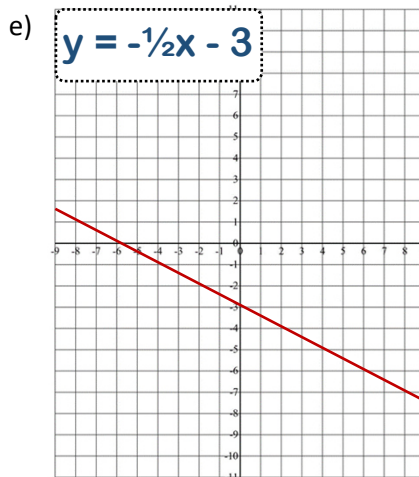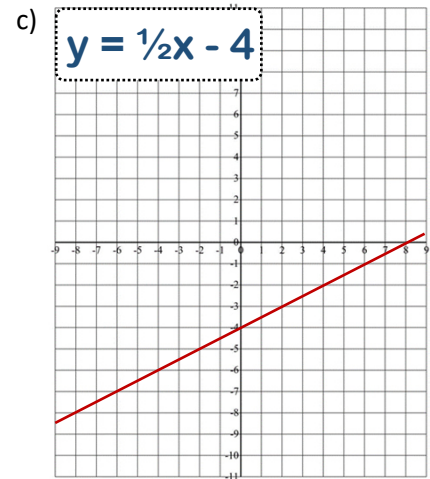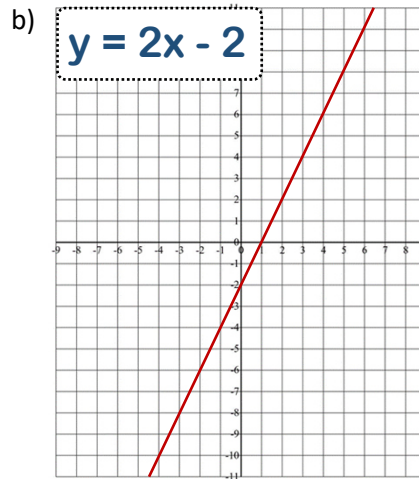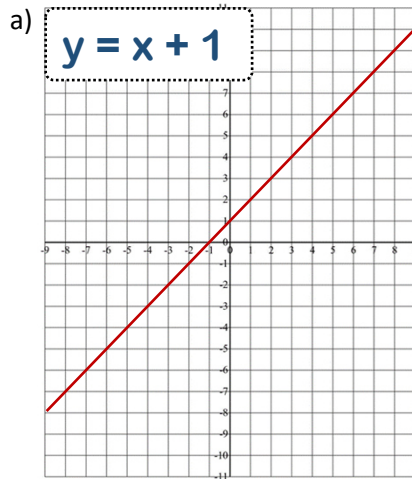
Exam question:

A straight line has a gradient of 4 and crosses the y-axis at (0, -3).

Write the equation of the line in the form $y = ax + b$
where a and b are integer values

y = 4x - 3