

**FOUNDATION TIER
MINI PRACTICE EXAM 6**



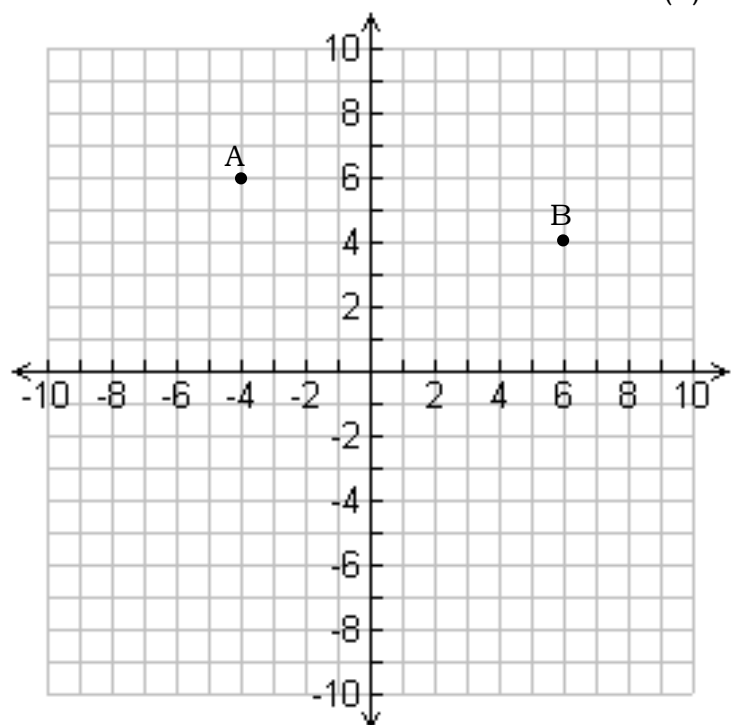
**NON-CALCULATOR
20 MINUTES ALLOWED**

- 1.
- (a) Expand $x(x + 4)$ (1)
- (b) Factorise $15x - 25$ (1)
- (c) Simplify $3x + y - 2x + y$ (1)
- (d) Solve $4(2x - 1) = 36$ (1)

2.
For every pound a company spends on advertising, they spend £2.40 on wages and £1.40 on supplies.

Express the ratio of money spent on advertising to money spent on wages to money spent on supplies, in its simplest form.

- 3.
- (a) Draw the line $y = -2$ on the axis. (1)
- (b) Draw the line $x = 9$ on the axis. (1)
- (c) Draw the line $y = x$ on the axis. (1)
- (d) Write down the co-ordinates of the midpoint of AB. (2)



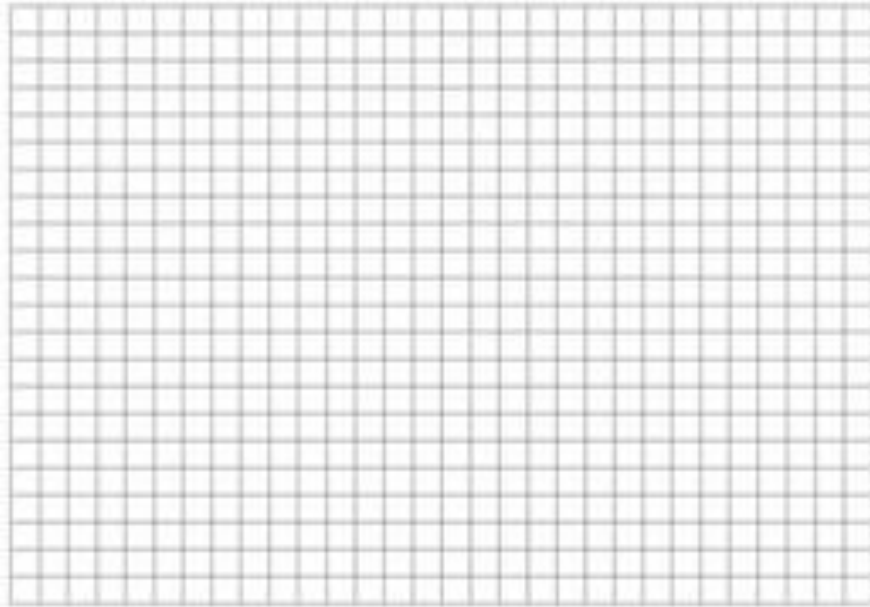
4.

Brad asked 30 people at his school what their favourite colour was.
The results are given in the table below.

Colour	Blue	Red	Green	Pink	Yellow
Frequency	10	7	2	6	5

In the space below, draw an appropriate chart to represent the results.

(3)



5.

A shape is made from a rectangle (R) and a square (S).

The area of S is 49 cm^2 .

The perimeter of R is 40 cm.



Work out the total area of the shape.

(5)