Name: _____

BennettMaths AQA 2F – Part 1

Answer **all** questions in the spaces provided.

1 **(a)** Here is a number line.

```
┌─────┬─────┬─────┬─────┬─────┬─────┬─────┬─────┐
0                   25              X         50
```
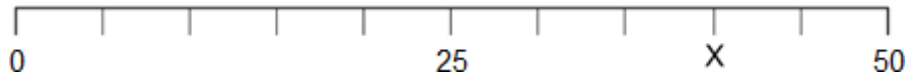
What number is at X?

[1 mark]

Answer _____

1 **(b)** Here is a different number line.

```
┌─────┬─────┬─────┬─────┬─────┬─────┐
-12      Y            0            12
```
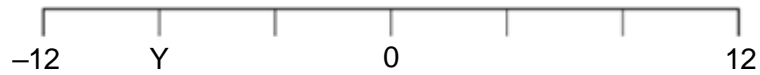
What number is at Y?

[1 mark]

Answer _____

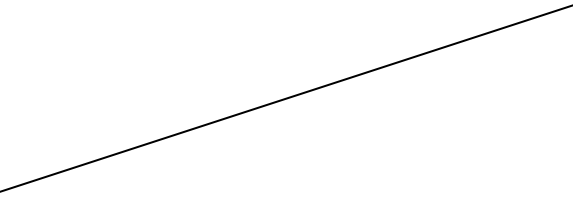**2**   Match each expression on the left with the simplified expression on the right.

One has been done for you.

[4 marks]

Left	Right
$4y + 5y$	$14y$
$16y - 2y$	$25y^2$
$5y \times 5y$	$5y$
$7 \times 3y$	$9y$
$15y \div 3$	$21y$
	$25y$

Turn over for the next question

6

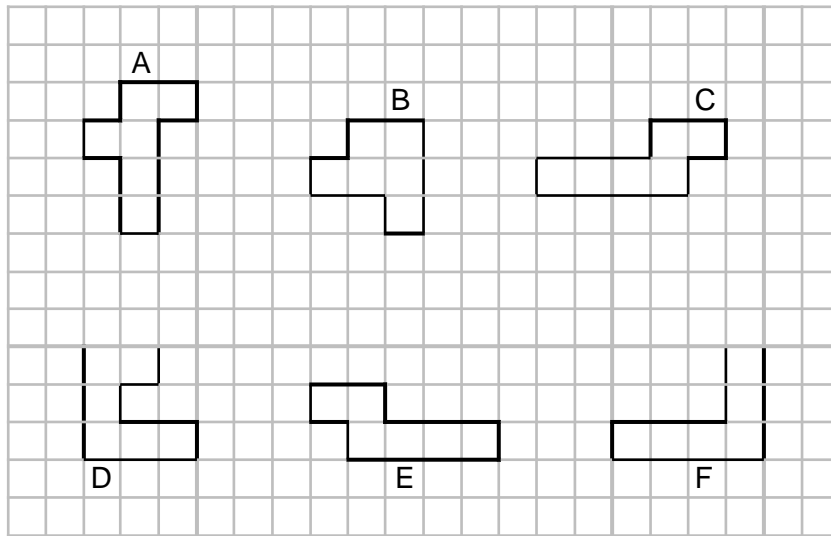**Turn over ▶**

3 Here are some shapes.

Each shape has an area of six square centimetres.

3 (a) Which has the bigger perimeter, shape **A** or shape **B**?

You **must** show the lengths of both perimeters.

[2 marks]

_____

_____

Answer _____

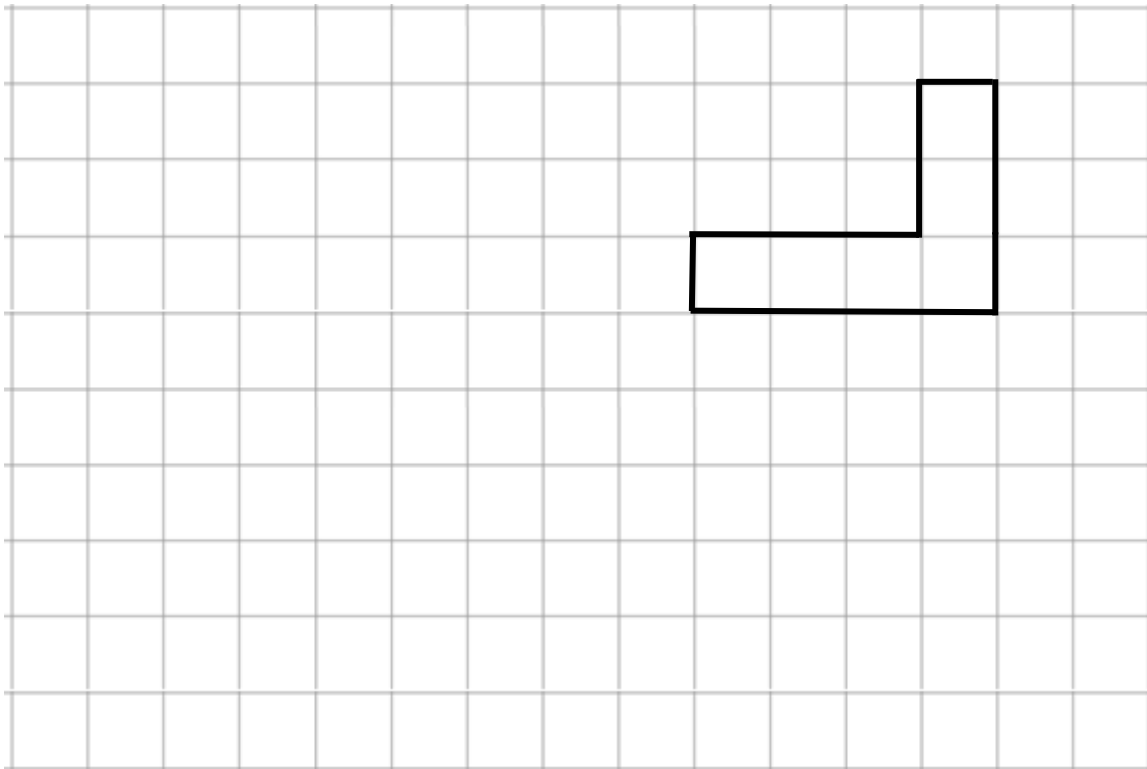**3 (b)** Which shape is congruent to shape **C**?

[1 mark]

Answer _____

3 (c) Which **two** shapes fit together to make a rectangle?

[1 mark]

Answer _____ and _____

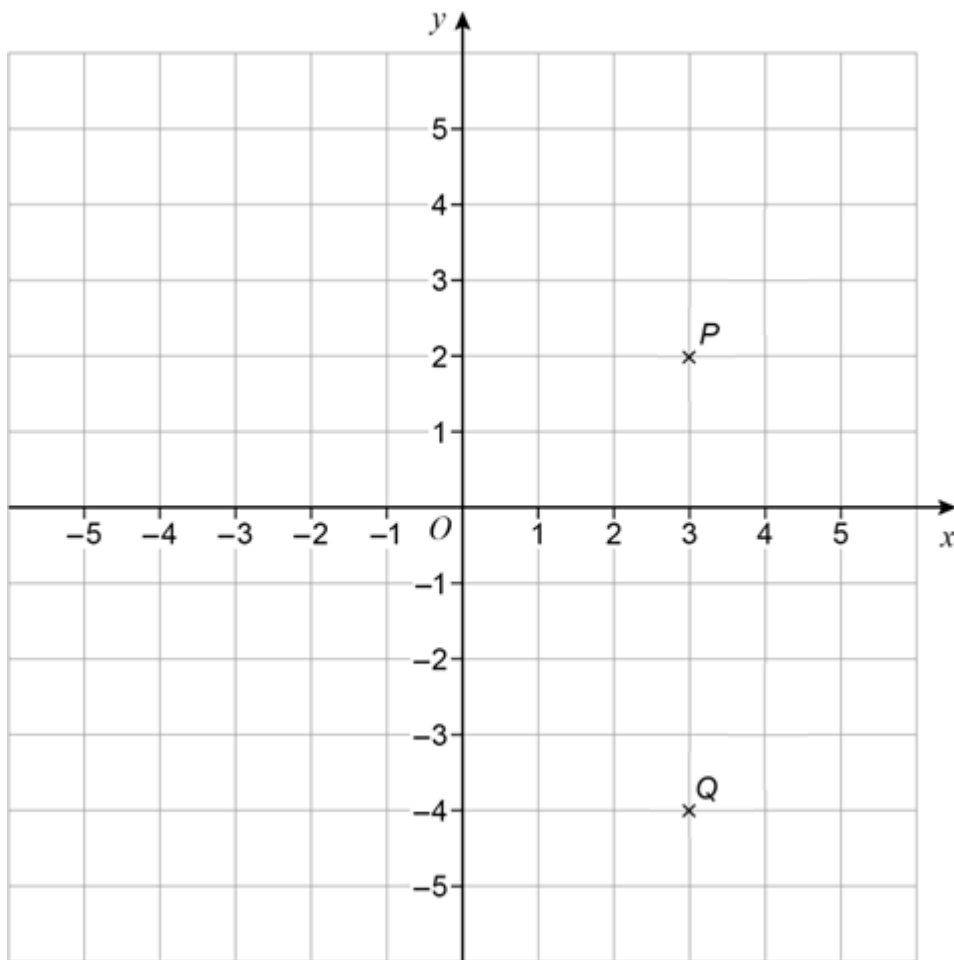**3 (d)** On this grid draw a reflection of shape **F**.

Show your mirror line.

[2 marks]

Turn over for the next question

6

Turn over ▶

4 Points *P* and *Q* are shown on the grid.

4 (a) Write down the coordinates of *P*.

[1 mark]

Answer (_____ , _____)

4 (b) Angle *PQR* is a right angle.

Work out possible coordinates for *R*.

[1 mark]

Answer (_____ , _____)

5 (a) A shop sells bottles of cola.

Each bottle costs 65p

Work out the greatest number of bottles that can be bought with £5

[2 marks]

Answer _____

5 (b) Two shops sell bottles of lemonade.

Shop D
pack of 8 bottles
Was £5.50
Now 10% off

Shop F
pack of 20 bottles
£13

At which shop is it cheaper to buy 40 bottles?
Show working to support your answer.

[4 marks]

Answer _____

8

Turn over ▶