

Solving equations and inequalities – GCSE Mathematics Paper 1

1. No.6(a)

(a) Which statement is correct?

Tick **one** box.☐

$17 + 3 < 29 - 10$

☐

$17 + 3 = 29 - 10$

☐

$17 + 3 > 29 - 10$

Show working to support your answer.

[2 marks]

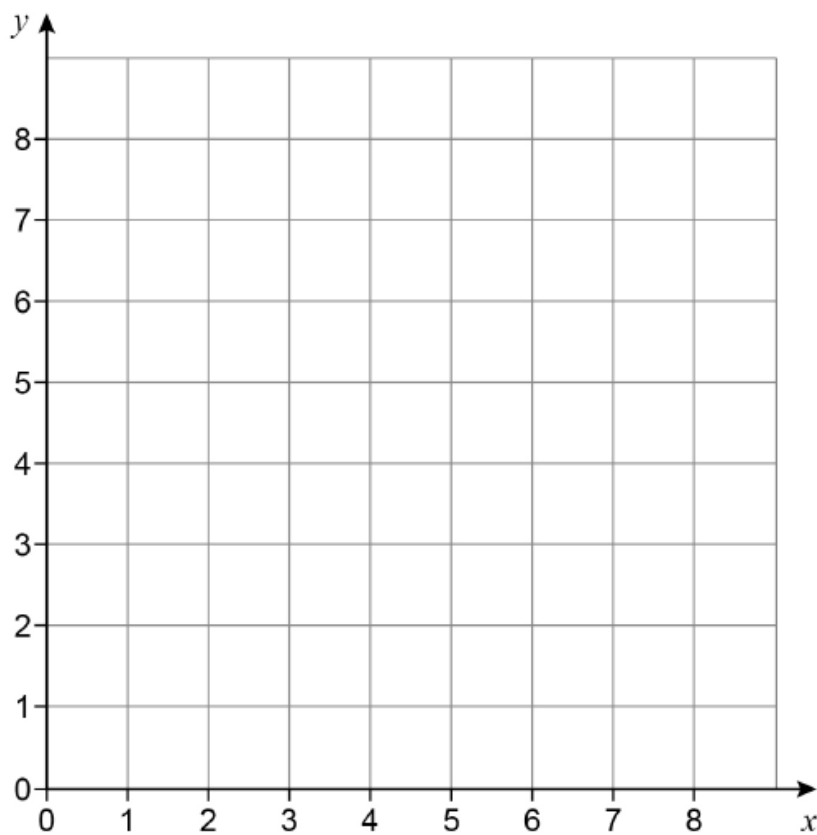
2. No.23

On the grid, identify the region represented by

$$x > 3 \quad \text{and} \quad y > 1 \quad \text{and} \quad x + y \leq 7$$

Label the region R.

[3 marks]



3. No.28

Work out the value of $(\cos 30^\circ \times \sin 45^\circ \times \tan 60^\circ)^2$

[4 marks]

Answer _____

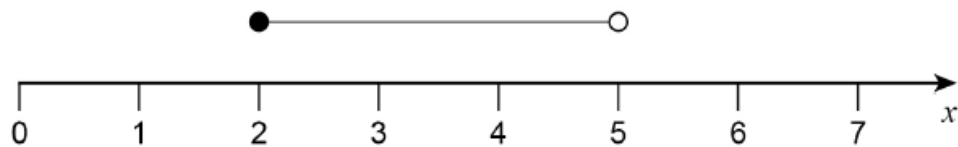
4. No.25

(a) Solve $5x + 6 > 3x + 15$

[3 marks]

Answer _____

(b) Write down the inequality represented by the number line.



[2 marks]

Answer _____

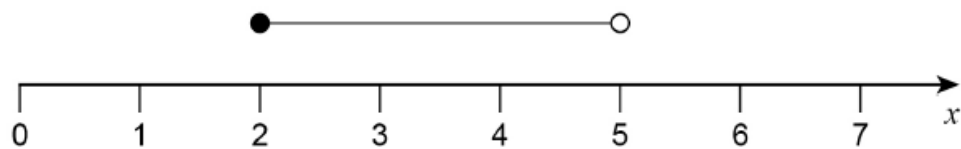
5. No.8

(a) Solve $5x + 6 > 3x + 15$

[3 marks]

Answer _____

(b) Write down the inequality represented by the number line.



[2 marks]

Answer _____