

AQA - Solving equations and inequalities – GCSE 2022 Mathematics1. *June/2022/Paper_8300/2F/No.17(a)*(a) x is at least 7

Circle the correct inequality.

[1 mark]

$x < 7$

$x \leq 7$

$x > 7$

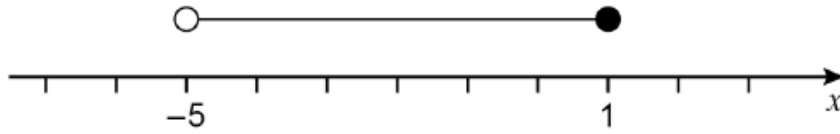
$x \geq 7$

2. *June/2022/Paper_8300/2F/No.28*Solve $5(2x - 1) = 6x + 9$ **[3 marks]**

$x =$ _____

3. June/2022/Paper_8300/2H/No.4

Circle the inequality represented by the diagram.



[1 mark]

$-5 < x < 1$

$-5 < x \leq 1$

$-5 \leq x < 1$

$5 \leq x \leq 1$

4. June/2022/Paper_8300/2H/No.5

Solve $5(2x - 1) = 6x + 9$

[3 marks]

$x =$ _____

5. June/2022/Paper_8300/2H/No.29

The equation of a curve is $y = x^2 - 18x + 70$

By completing the square, work out the coordinates of the turning point.

You **must** show your working.

[3 marks]

Answer (_____ , _____)