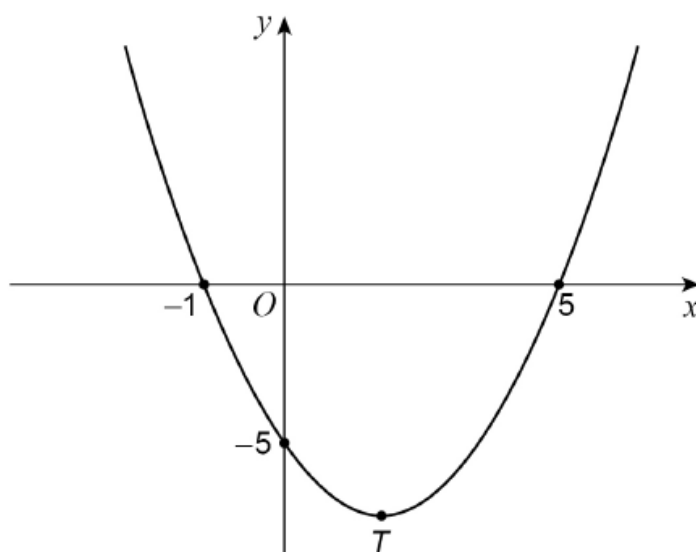


AQA - Graphs – GCSE 2022 Mathematics**1. June/2022/Paper_8300/3F/No.23**

Here is a sketch of the curve $y = x^2 - 4x - 5$



- (a) Write down the **two** roots of $x^2 - 4x - 5 = 0$

[1 mark]

Answer _____ and _____

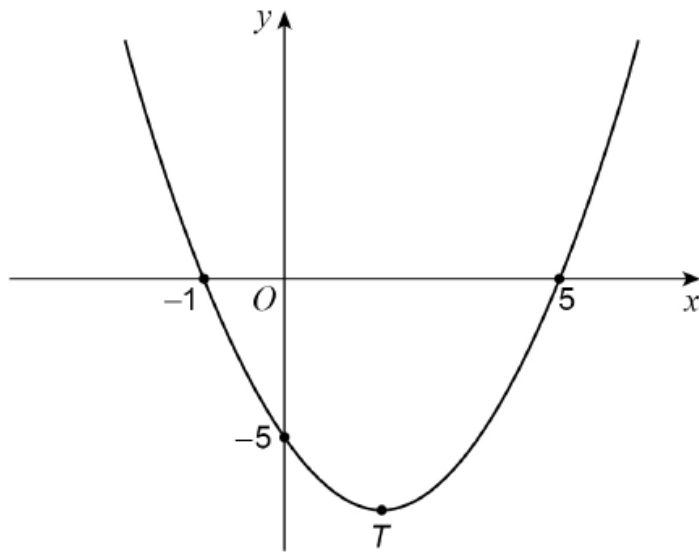
- (b) Work out the coordinates of T , the turning point of the curve.

[2 marks]

Answer (_____ , _____)

2. June/2022/Paper_8300/3H/No.6

Here is a sketch of the curve $y = x^2 - 4x - 5$



- (a) Write down the **two** roots of $x^2 - 4x - 5 = 0$

[1 mark]

Answer _____ and _____

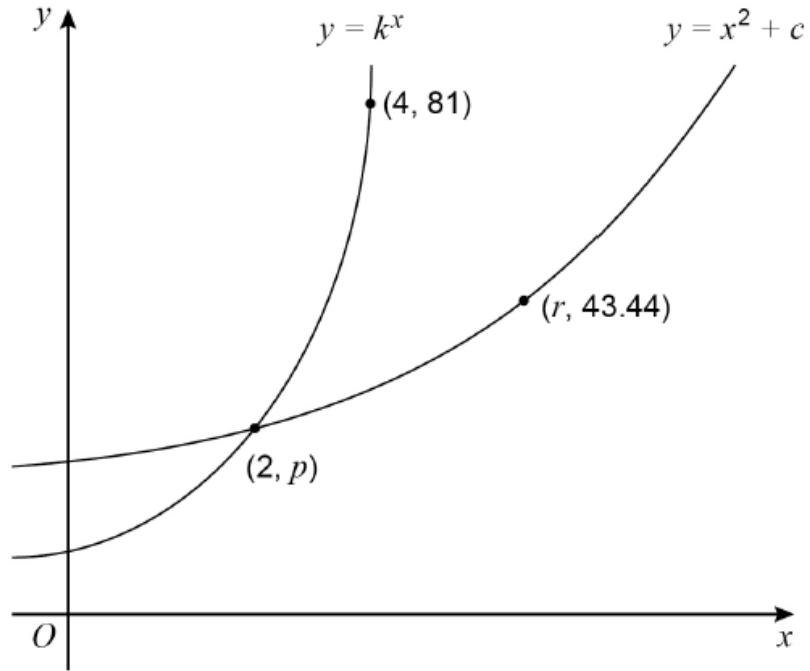
- (b) Work out the coordinates of T , the turning point of the curve.

[2 marks]

Answer (_____ , _____)

3. June/2022/Paper_8300/3H/No.24

Here is a sketch of the graphs of $y = k^x$ and $y = x^2 + c$
 k and c are positive constants.



Work out the value of r .

[4 marks]

$r =$ _____