QUADRATIC GRAPHS

OCR Thursday 07 November 2019- Morning (Non-Calculator) Foundation Tier

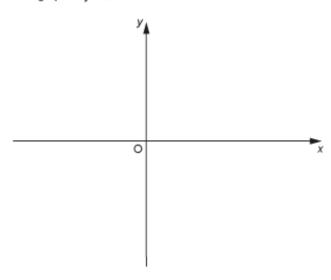
1.

13 (a) (i) Sketch the graph of y = 2.



[2]

(ii) Sketch the graph of y = x + 1.



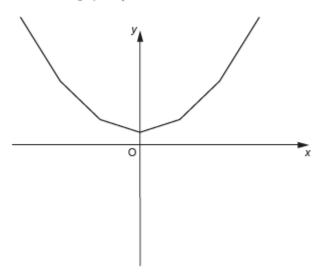
[2]

(iii) Ceri says that the graphs of y = 2 and y = x + 1 cross at the point (2, 3).

Explain the error in her answer.

[1]

(b) Oliver has sketched the graph of $y = x^2$ below.



Make two comments about the accuracy of his sketch.

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OCR Thursday 2 November 2017 – Morning (Calculator) Foundation Tier

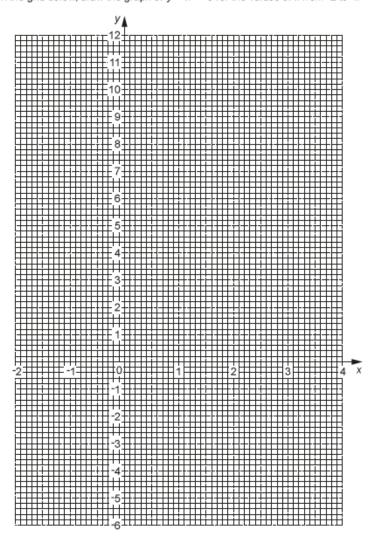
2.

15 (a) Complete this table for $y = x^2 - 5$.

| х | -2 | -1 | 0 | 1 | 2 | 3 | 4 |
|---|----|----|----|----|---|---|----|
| У | | -4 | -5 | -4 | | | 11 |

[2]

(b) On the grid below, draw the graph of $y = x^2 - 5$ for the values of x from -2 to 4.



[2]

(c) On the same grid, draw the line $y = ^-2$.

[1]

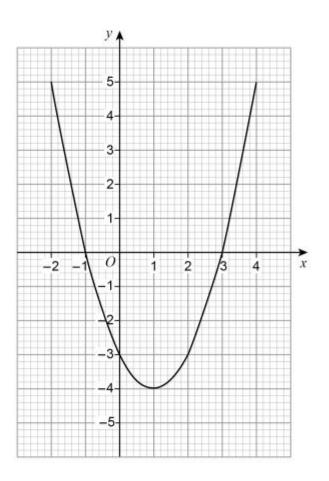
(d) Write down the x coordinates of the points where $y = x^2 - 5$ and y = -2 cross.

(d) $x = \dots$ and $x = \dots$ [2]

AQA Monday 12 November 2018 – Morning (Calculator) Foundation Tier

3.

26 Here is a quadratic graph.



Circle the x-coordinate of the turning point of the graph.

[1 mark]

-4

-1

1

3