National 5 Maths SQA 2017 Specimen Paper 1 Question 13



A parabola has equation $y = x^2 - 8x + 19$.

(a) Write the equation in the form $y = (x - p)^2 + q$.

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(b) Sketch the graph of $y = x^2 - 8x + 19$, showing the coordinates of the turning point and the point of intersection with the y-axis.

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Answers:

(a)
$$y = (x-4)^2 + 3$$

(b)

