National 5 Maths SQA 2022 Paper 1 Question 5



(a) Express $x^2 + 8x + 15$ in the form $(x + a)^2 + b$.

2

(b) Hence, or otherwise, state the coordinates of the turning point of the graph of $f(x) = x^2 + 8x + 15$.

1

Answers:

- (a) $(x+4)^2-1$
- (b) (-4, -1)