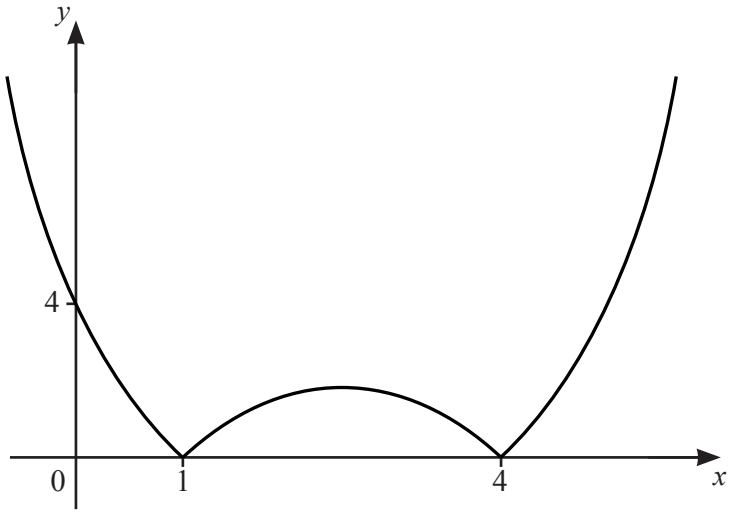
5 (a)



The diagram shows the graph of $y = |f(x)|$, where $f(x)$ is a quadratic function. Write down the two possible expressions for $f(x)$. [2]

(b) The three roots of $p(x) = 0$, where $p(x) = 5x^3 + ax^2 + bx - 2$ are $x = \frac{1}{5}$, $x = n$ and $x = n + 1$, where a and b are positive integers and n is a negative integer. Find $p(x)$, simplifying your coefficients. [5]

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