

Name :

Basic Mathematics - Quiz 2

We consider the function f defined by

$$f(x) = \begin{cases} \frac{x-5}{2x+3} & \text{if } x < -1 \\ 2x^2 - x + 7 & \text{if } x \geq -1. \end{cases}$$

1. Evaluate $f(-3)$ (justify).
2. Evaluate $f(-1)$ (justify).
3. Evaluate $f(2)$ (justify).
4. Give a value which is outside of the domain of f (justify).