Exam: Limits

Question 1

Limits *2023 | Dr. Smith*

Given:

Let $x_n = \frac{3n+1}{n-2}$.

To Prove:

Prove that $\lim(x_n) = 3$.

> *Hint: Use the definition of convergence.*

Official Solution:

Scratch Work (*Proof*)
Find N such that $|x_n - 3| < \varepsilon$.

End of Examination