

MATH 101-11 (142)
QUIZ # 1

NAME:

ID. #:

Q1. Find the average rate of change of $f(x) = \sqrt{4x^2 - 3}$ over the interval $[-2, 1]$.

Q2. Find

$$\lim_{x \rightarrow 3} \frac{x^2 - 9}{x^2 - x - 6}$$

Q3. Find

$$\lim_{x \rightarrow 1} \frac{x - 1}{\sqrt{x + 3} - 2}$$