

MATH 101 (141)
QUIZ # 1-a

NAME:

ID. #:

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

Q2. Use the precise definition of a limit to show that:

$$\lim_{x \rightarrow 1} (2x + 3) = 5$$

Q3. Find

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