

MATH 101-02 (152)
QUIZ # 4

NAME:

ID. #:

Q1. Write the definition the **derivative of a function f at a number a** .

Q2. Use the definition of the derivative to find $f'(1)$, where

$$f(x) = \frac{x}{2x - 1}$$

Q3. Use (Q2) to find an equation of the tangent line to the curve $y = f(x)$ at the point $(1, \frac{1}{3})$