

Math 234 Quiz 2

Section : **8 AM** Name: \_\_\_\_\_

1. Use limit to compute the derivative  $f'(1)$  where  $f(x) = \frac{1}{3x+2}$ .

2. Define  $f(x)$  at  $x = -2$  in a way that makes  $f(x)$  continuous for all  $x$ .

$$f(x) = \frac{x^2 - x - 6}{x + 2}, x \neq -2$$