

# Math 2143 - Brief Calculus with Applications

Quiz #8 - 2008.03.04

Name: \_\_\_\_\_

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1. Compute the following limit.

$$\lim_{t \rightarrow 9} \frac{t - 9}{3 - \sqrt{t}}$$

2. Compute the following derivatives:

a)

$$\frac{d}{dx} (f(x) \cdot g(x))$$

b)

$$\frac{d}{dx} \frac{f(x)}{g(x)}$$