

Math 2143 - Brief Calculus with Applications

Quiz #9 - 2008.03.06

Name: _____

1. Compute the following limit.

$$\lim_{x \rightarrow 2} \frac{x^4 - 16}{x - 2}$$

2. Compute the following derivative.

$$\frac{d}{dt} \left(\left(3t - \frac{3t - 1}{2t + 1} + 1 \right) (3t^3 - 3t^2 + \sqrt{t} - 1) \right)$$