

# Math 2215 - Calculus 1

Quiz #16 - 2011.05.03

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

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1. Compute the following limits:

(a)  $\lim_{x \rightarrow 0} \frac{\sqrt{x+2} - \sqrt{2}}{x}$

(b)  $\lim_{x \rightarrow -\infty} \sqrt{\frac{3x^3 - 6x^2 + 5x - 1}{12x^3 - 3x^2 + 7x + 3}}$