

Math 2215 - Calculus 1

Quiz #12 - 2005.11.11

Name: _____

1. Compute the following limit:

$$\lim_{x \rightarrow 0} \frac{\tan(px)}{\tan(qx)}$$

2. Find an equation of the slant asymptote for the following function:

$$y = \frac{2x^3 + x^2 + x + 3}{x^2 + 2x}$$

3. Compute the following limit:

$$\lim_{x \rightarrow 1} \frac{2x^3 + 4x^2 - 6x}{x - 1}$$