

November 12, 2020

MAC 2311
Quiz 10

Remember to show all of your work.

Problem 1. Evaluate the following limits:

(a) $\lim_{x \rightarrow 0} x^2 \tan(x)$

(b) $\lim_{x \rightarrow 4} \frac{x^2 - 5x + 4}{x - 4}$

(c) $\lim_{x \rightarrow 0} \left(\frac{1}{x} - \csc(x) \right)$

(d) $\lim_{x \rightarrow 1^+} (x - 1)^{x^2 - 1}$