

APPM 1350

Fall 2021

Quiz 2

09/07/2021

Time Limit: 10 Minutes

Name: _____

Recitation Section: _____

1. (7 points) Evaluate the limit

$$\lim_{h \rightarrow 0} \frac{\frac{1}{(4+h)^2} - \frac{1}{16}}{h}$$

2. From the following graph of the function f , calculate the following limits:

(a) (1 point) $\lim_{x \rightarrow 2^-} f(x)$

(b) (2 points) $\lim_{x \rightarrow 0} f(x)$. Make sure to explain your reasoning here.

