

Name: _____

QUIZ 2 

MATH 200
January 25, 2022

Directions: Find the limits. Show all steps. Simplify your answer.

1. $\lim_{x \rightarrow 0} \frac{5x^2 + 3x}{3x} =$

2. $\lim_{x \rightarrow 2} \frac{\sqrt{x^2 + 12} - 4}{x - 2} =$

3. $\lim_{h \rightarrow 0} \frac{\frac{1}{1+h} - 1}{h} =$

4. $\lim_{x \rightarrow 2^+} \frac{4 - x^2}{|2 - x|} =$

Name: _____

QUIZ 2 

MATH 200
January 25, 2022

Directions: Find the limits. Show all steps. Simplify your answer.

1. $\lim_{x \rightarrow 0} \frac{5x^2 + x^3}{5x^2} =$

2. $\lim_{x \rightarrow 3} \frac{\frac{1}{x^2} - \frac{1}{9}}{x - 3} =$

3. $\lim_{h \rightarrow 0} \frac{\sqrt{5+h} - \sqrt{5}}{h} =$

4. $\lim_{x \rightarrow 1^+} \frac{|1-x|}{6x - 6x^2} =$