

Math 190 Limits Worksheet

Here are a few more limits to compute

Questions:

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

2. $\lim_{x \rightarrow 4} \frac{x^2 - 4x}{x^2 - 3x - 4}$

3. $\lim_{x \rightarrow -4} \frac{\frac{1}{4} + \frac{1}{x}}{4 + x}$

4. $\lim_{x \rightarrow 9} \frac{9 - x}{3 - \sqrt{x}}$

5. $\lim_{x \rightarrow 5} \frac{\sqrt{x-1} - 2}{x - 5}$

6. $\lim_{x \rightarrow -4} \frac{\sqrt{x^2 + 9} - 5}{x + 4}$

Answers:

1. 5

2. 4/5

3. -1/16

4. 6

5. 1/4

6. -4/5