

Limits Assignment

Directions: Find each limit.

1. $\lim_{x \rightarrow 3} (-x^2 + 5x - 1)$

2. $\lim_{x \rightarrow 3} (x^2 + 2)$

3. $\lim_{x \rightarrow 100} 7x$

4. $\lim_{x \rightarrow 5} \frac{x+2}{x-4}$

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

6. $\lim_{x \rightarrow 1} \frac{x^2-x}{2x^2+5x-7}$

7. $\lim_{x \rightarrow -1} \frac{x^3+1}{x^2+5x+4}$

8. $\lim_{a \rightarrow 7} \frac{a^2-49}{7-a}$

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

10. $\lim_{x \rightarrow 5} \frac{x^2-7x+10}{x+5}$