

Precalculus
Limits

Name _____

Find each limit.

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

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

3. $\lim_{x \rightarrow 0} x(x+1)(x+2)$

4. $\lim_{x \rightarrow 5} (4x + 2)$

5. $\lim_{x \rightarrow 3} \left(\frac{1}{3}x + 7 \right)$

6. $\lim_{x \rightarrow 3} (x - 1)^4$

7. $\lim_{x \rightarrow 2} \sqrt{x+5}$

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

9. $\lim_{x \rightarrow 0} e^x \cos x$

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

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

12. $\lim_{x \rightarrow 7} \frac{x^2 - x - 6}{x^2 + x + 9}$