

Algebraic Properties of Limits

Evaluate the following limits using the form shown in the lesson.

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

2. $\lim_{x \rightarrow 7} \frac{x^2 + 3}{x - 6}$

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

4. $\lim_{x \rightarrow 0^+} \frac{x^2 + 2}{x}$

5. $\lim_{x \rightarrow \infty} x^2 + 5x + 3$

6. $\lim_{x \rightarrow \infty} x^2 - 5x + 3$