

Limits

Basic

Substitution

1. $\lim_{x \rightarrow 0} \left(\frac{1}{2} \right)$

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

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

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

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

6. $\lim_{x \rightarrow 5} \left(\frac{x^2 - 6x + 8}{x - 4} \right)$

7. $\lim_{x \rightarrow -3} \left(\frac{(x - 6)}{(5x^2 - 6x + 8)} \right)$

8. $\lim_{x \rightarrow 0} (\sqrt{x})$

9. $\lim_{x \rightarrow 3} \left(\frac{5x^2 - 8x - 13}{x^2 - 5} \right)$

10. $\lim_{x \rightarrow -7} (2x + 5)$

Answers

Limits

Basic

Substitution

1. $\frac{1}{2}$

2. 4

3. -2

4. 0

5. 0

6. 3

7. $-\frac{9}{71}$

8. 0

9. 2

10. -9