



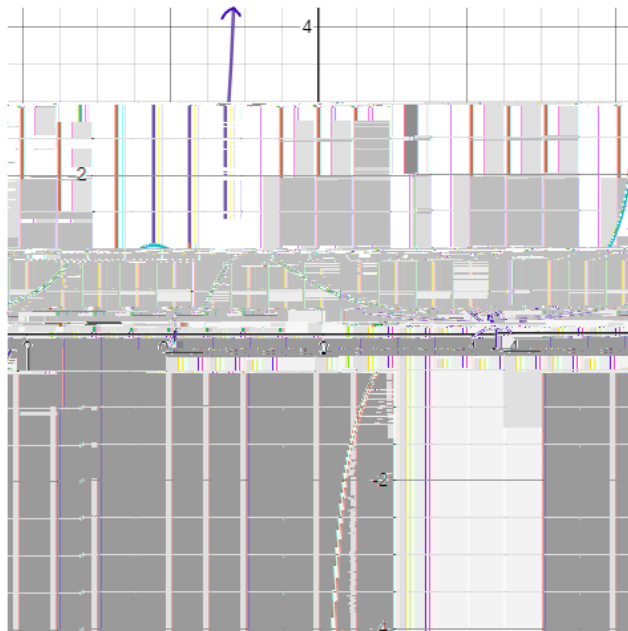
# Practice with Limits Worksheet

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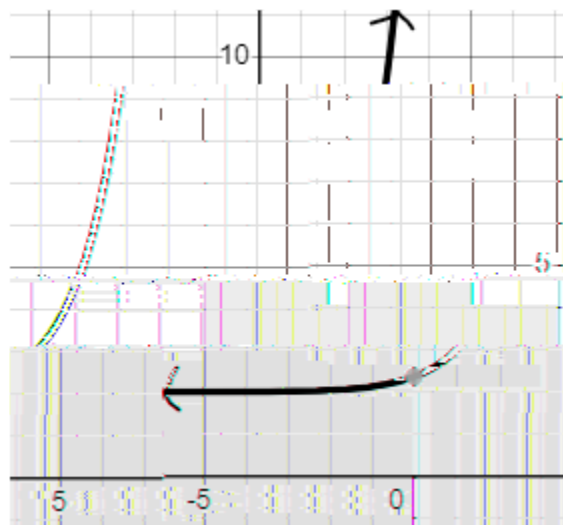
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Practice with Limits Worksheet

$$f(x) = \frac{2}{x^3 + 1}$$



$$f(x) = (-x)^2 + 2$$





## Practice with Limits Worksheet

$$\lim_{x \rightarrow 2} 4x^2 + 3$$

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

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

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

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

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$$f(x) = \sqrt{x + 3}$$

$$g(x) = -3(5x^2 - 6x - 4)$$

$$h(x) = 4x^{-2} + 3$$

$$k(x) = 3x^{+5} - 1$$

$$l(x) = -(2x + 6)$$

$$m(x) = \frac{1}{2}(x - 7)$$

$$n(x) = \frac{1}{2}(x - 3) + 5$$

$$\lim_{x \rightarrow 0} \frac{f(x)}{g(x)}$$

$$\lim_{x \rightarrow 0} \frac{h(x)}{k(x)} = \frac{4x^{-2} + 3}{3x^{+5} - 1}$$

$$\lim_{x \rightarrow 0} \frac{m(x)}{n(x)} = \frac{\frac{1}{2}(x - 7)}{\frac{1}{2}(x - 3) + 5}$$