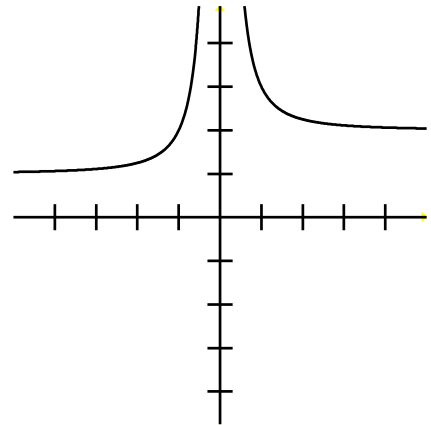


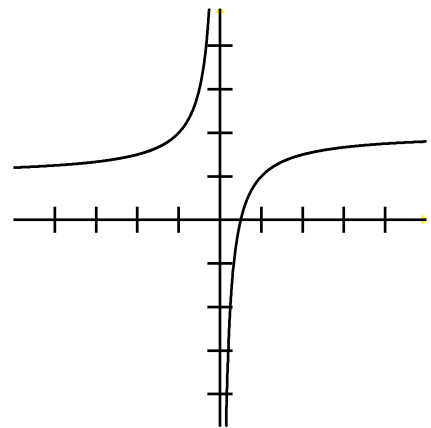
1) Using the graph to the right, find the following limit.

$$\lim_{x \rightarrow \infty} f(x) = 2$$



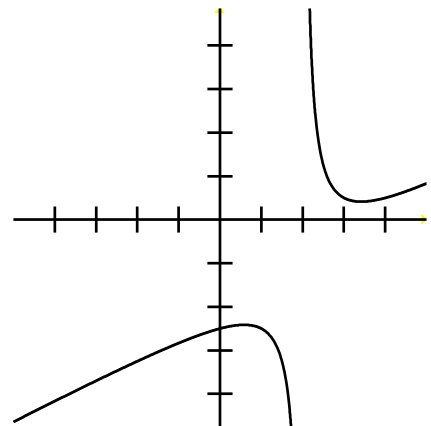
2) Using the graph to the right, find the following limit.

$$\lim_{x \rightarrow 0^-} f(x) = \infty$$



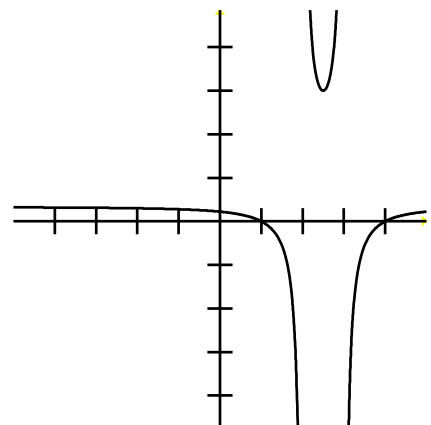
3) Using the graph to the right, find the following limit.

$$\lim_{x \rightarrow -\infty} f(x) = -\infty$$



4) Using the graph to the right, find the following limit.

$$\lim_{x \rightarrow 1^+} f(x) = 0$$



Find each of the following limits.

$$5) \lim_{x \rightarrow \infty} \frac{\sqrt{x^2 + 3x + 2} + 2x + 1}{7 - 5x} = -\frac{3}{5}$$

$$6) \lim_{x \rightarrow -\infty} \frac{x^3 + 3x^4 + 2x}{2x^3 - 5x^2 - 3x + 2} = -\infty$$

$$7) \lim_{x \rightarrow -\infty} \frac{2x^3 + 4x^5}{3x^2 - 2^{-x}} = 0$$