

### Practice Problems

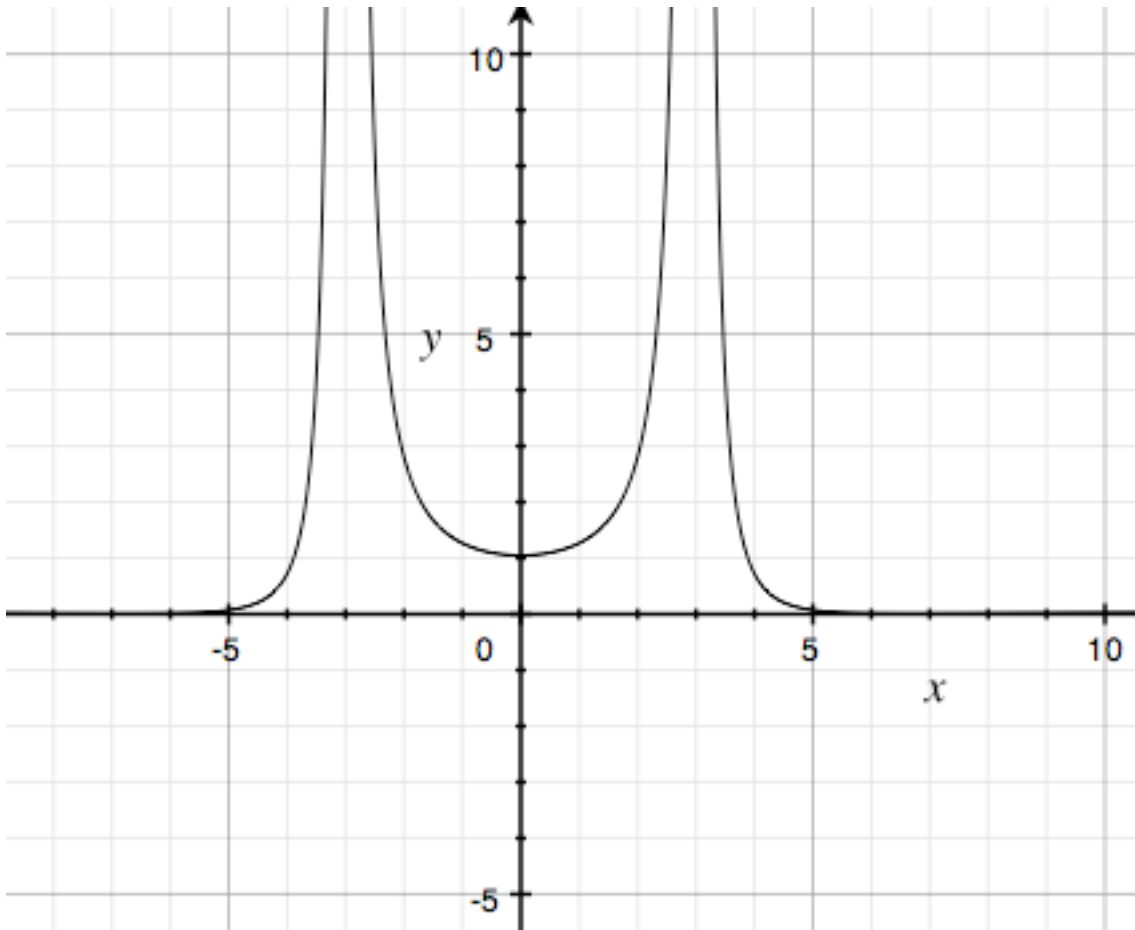
1. Use the graph below to find the limits.

a)  $\lim_{x \rightarrow -3} f(x)$

**The limit is  $\infty$ .**

b)  $\lim_{x \rightarrow \infty} f(x)$

**The limit is 0.**



2. Use a calculator (or your imagination) to find  $\lim_{x \rightarrow \infty} \frac{3x^2 + 10}{x^2 - 4}$

**The limit is 3.**