

**QUICK REVIEW #2 – LIMITS AT INFINITY**

Name \_\_\_\_\_

Date \_\_\_\_\_ Hour \_\_\_\_\_

1. Evaluate the following:

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

\_\_\_\_\_ b.  $\lim_{x \rightarrow -1} \frac{x^2}{x+1}$

\_\_\_\_\_ c.  $\lim_{x \rightarrow 0^+} \frac{1}{x} - \frac{1}{x^2}$

\_\_\_\_\_ d.  $\lim_{x \rightarrow \infty} \frac{x^7 - 1}{x^6 + 1}$

\_\_\_\_\_ e.  $\lim_{x \rightarrow \infty} \frac{x}{\sqrt{x-1}}$