

**Limit Practice**

Name \_\_\_\_\_

Find the limits for each expression and graph each limit point on your graphing calculator.

$$1) \lim_{x \rightarrow -1} \frac{x^2 - 7x + 8}{x + 1}$$

$$2) \lim_{x \rightarrow -4} \frac{2x^2 + x - 28}{x + 4}$$

$$3) \lim_{x \rightarrow \frac{3}{2}} \frac{2x^2 + 11x - 21}{6x^2 + x - 15}$$

$$4) \lim_{x \rightarrow 7} \frac{\sqrt{x+2}-3}{x-7}$$

$$5) \lim_{x \rightarrow 4} \frac{\sqrt{x}-2}{x-4}$$

$$6) \lim_{x \rightarrow 2} \frac{\frac{3}{x+4}-\frac{1}{x}}{x-2}$$