

Name: _____
AP Calc: More Limits

Date: _____
Ms. Loughran

1. $\lim_{x \rightarrow -2} \frac{x^3 + 8}{x + 2} =$

2. $\lim_{x \rightarrow 2} \frac{1 - 4x^{-1} + 4x^{-2}}{1 + x^{-1} - 6x^{-2}} =$

3. $\lim_{x \rightarrow -2} \frac{|x + 2|}{x + 2} =$

4. $\lim_{x \rightarrow 1} \cos\left(\frac{x^2 - 1}{x - 1}\right) =$

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

6. $\lim_{x \rightarrow -b} \frac{x^2 + bx}{\sqrt{x^2 + 2bx + b^2}} =$