

King Fahd University of Petroleum and Minerals
Department of Math & Stat
Math 101.12 Quiz II 071

ID #: _____ NAME: _____

Serial # _____ Section #: _____

1. Find $\lim_{x \rightarrow 0^+} \left(\frac{1}{x} - \frac{1}{|x|} \right)$.

2. Find $\lim_{h \rightarrow 0} \frac{(2+h)^3 - 8}{h}$.

3. Evaluate $\lim_{s \rightarrow 16} \frac{4 - \sqrt{s}}{s - 16}$.

4. Find $\lim_{h \rightarrow 0} \frac{(3+h)^{-1} - 3^{-1}}{h}$.

King Fahd University of Petroleum and Minerals
Department of Math & Stat
Math 101.18 Quiz II 071

ID #: _____ NAME: _____

Serial # _____ Section #: _____

1. Find $\lim_{x \rightarrow 2} \frac{x^4 - 16}{x - 2}$.

2. Find $\lim_{x \rightarrow 2} \frac{\sqrt{x+2} - \sqrt{2x}}{x^2 - 2x}$.

3. Evaluate $\lim_{x \rightarrow a^+} \frac{x^2 - a^2}{|x - a|}$.