

MATH 161 QUIZ 2, Fall 2003

Name: _____

1. Let $f(x) = \frac{x^2 - 2x - 8}{x + 2}$, and let $a = -2$.

a) Find the limit of $f(x)$ as x approaches a .

b) Find a continuous function g that agrees with f for $x \neq a$.

Ans: _____.

Ans: _____.

2. Evaluate: $\lim_{x \rightarrow \infty} (\sqrt{16x^2 + x} - 4x)$.

Ans: _____.

Ans: _____.

Extra Space