

Math 16A (Summer 2007)  
Kouba  
Quiz 2

PRINT Name : -----

Exam ID # : -----

1.) (9 pts.) The function  $f(x) = \frac{3}{4 - 5x}$  is one-to-one. Find its inverse function,  $f^{-1}(x)$ .

2.) (7 pts. each) Determine the following limits.

a.)  $\lim_{x \rightarrow 2} \frac{x^2 + x - 6}{x^2 - 4}$

b.)  $\lim_{x \rightarrow -3} \frac{\frac{1}{x} + \frac{1}{3}}{x + 3}$

c.)  $\lim_{x \rightarrow 1^+} \frac{x^2 + 3}{1 - x}$