

MAT 012 Take-home Quiz 3: ch 7.4, ch 7.5 Name: _____

Due: see webpage

SHOW ALL WORK

Section: _____

1. Given $\frac{5}{x-5} - \frac{4}{x-4}$

a) Give the LCD

b) Perform the operation and simplify.

2. Given $\frac{15}{x^2-9} + \frac{5}{2x+6}$

a) Rewrite the entire expression with factored denominators.

b) Give the LCD

c) Perform the operation and simplify. [Hint: After combining, factor the numerator and cancel to simplify further.]

