

MATHEMATICS 201-009-50

Precalculus
Martin Huard
Fall 2007

Name: _____

Quiz #3

*This quiz is due **Friday September 7** at the beginning of the class.*

Question 1 (3 points)

Simplify.

$$\frac{3}{x} - \frac{4}{x+2} + \frac{1}{x-1}$$

Question 2 (3 points)

Simplify.

$$\frac{\frac{2}{x} - \frac{3}{x+1}}{\frac{1}{x+2} - \frac{2}{x+6}}$$

Question 3 (4 points)

Simplify .

$$\frac{4x^3(x+1)^{\frac{-3}{2}} - 2x^2(x+1)^{\frac{-1}{2}}}{x^2 - 1}$$