Name:
September 8, 2015
MAC 1105.1A26
Cyr

<div align="center">

Quiz 2

You must show all work to receive full credit!!

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Problem 1. (2 pts) Find the following product: $\dfrac{x^2 + 14x + 49}{8x^3 - 4x^2} \cdot \dfrac{6x^2 + 7x - 5}{x^2 - 49}$

Problem 2. (1 pt) Find the quotient using synthetic division: $\dfrac{x^5 - 3x^4 - 9x^3 - 22x + 8}{x - 5}$

Problem 3. (2 pts) Find the sum: $\dfrac{15x + 4}{6(x - 3)(x + 1)} + \dfrac{7x - 4}{12(x - 3)}$