

Name _____ Date _____ Period _____

Worksheet 10.2—Partial Fraction Decomposition

Show all work on a separate sheet of paper. No Calculator

Free Response & Short Answer

1. Evaluate $\int \frac{dx}{2x^3 + x^2 - x}$

2. Evaluate $\int \frac{x^2 + 12x - 5}{(x+1)(x^2 - 6x - 7)} dx$

3. Evaluate $\int \frac{8x^2 - 3x - 4}{(4x-1)(x^2+1)} dx$

4. Evaluate $\int \frac{3x^3 - 5x^2 - 11x + 9}{x^2 - 2x - 3} dx$