

Grade:

Name: _____ Section#: _____

MAC2312: Calculus 2

Advanced Standard: Partial Fractions #1

1. Find the partial fraction decomposition for $\frac{5x^2 - x + 20}{(x - 1)(x^2 + 7)}$.

2. Compute the integral $\int \frac{8 - x}{2x^2 + 3x - 2} dx$.

3. Compute the integral $\int \frac{4 - 6x}{(2 - x)(x^2 - 4)} dx$.