Quiz 4 Fall 2018

MATH 222-001

Name: _____

Problem 1. (5 Points) Evaluate $\int \dfrac{x^2+1}{x^2-3x+2}$.

Problem 2. (5 Points) Compute $\displaystyle\int_3^\infty \dfrac{dx}{x^2-4}$. You may use the fact that $\dfrac{1}{x^2-4} = \dfrac{1/4}{x-2} - \dfrac{1/4}{x+2}$.