Spring 2019 MA 114 Quiz 3 Thursday, 31 January 2019

Name: _____ Section: _____

Answer all questions and show your work. Unsupported answers may receive *no credit*. You may not use a calculator on this quiz. Allow 15 minutes for the quiz.

1. (7 points) Use partial fractions to evaluate $\displaystyle\int \frac{x^3+1}{x^2-4}\,dx$.

2. (3 points) Let R_n be a right endpoint approximation for the integral $\displaystyle\int_1^5 e^{-x}\,dx$. Is R_n larger or smaller than the exact value of the integral?