

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) Evaluate the integral $\int_0^2 \frac{1}{x^2 - 2x - 3} dx$.

2. (3 points) Let R_n be a right sum for the integral $\int_0^4 x^6 dx$. Is R_n larger or smaller than the exact value of the integral? Use a sketch to explain your answer.