

MATH 102-15 (172)
QUIZ # 1

NAME:

ID. #:

Q1. Using n subintervals with right endpoints show that

$$\int_2^5 (x^2 - 4)dx = \lim_{n \rightarrow \infty} \left[\frac{18(n+1)}{n} + \frac{9(n+1)(2n+1)}{2n^2} \right]$$

(Show all your work for full credit)