

MATH 102-13 (112)
QUIZ # 1

NAME: ID. #:

Q1. Evaluate the following integral by interpreting it in terms of area:

$$\int_1^2 \sqrt{1 - (x - 1)^2} dx$$

Hint: consider the circle with radius 1 and center (1, 0)

Q2. Evaluate

$$\sum_{i=1}^n \left(\frac{3i}{n} - \frac{2i^2}{n^2} \right)$$