Time: 15min

## QUIZ 1

- **1.** Estimate  $\int_1^4 \frac{1}{x} dx$  by using the trapezoid rule with n=3.
- **2.** Find the particular solution to differential equation  $y' + 3x^2y = 6x^2$  with initial condition y(0) = 1.

Each problem is worth 5 points.