## R. Bruner Math 2010, Winter 2007, Quiz 13 11 April 2007

Estimate  $\int_1^7 \frac{x-2}{x} dx$  using 3 equal intervals and

- 1. left endpoints as sample points
- 2. midpoints as sample points

It is sufficient to write the correct sum; you do not need to actually add up the fractions.