

Group\_\_\_\_\_Names\_\_\_\_\_

### Group Quiz for Section 3.1

1. Suppose that  $X$  is a random variable with density

$$f(x) = \begin{cases} \frac{1}{x^2}, & x \geq 1; \\ 0, & x < 1. \end{cases}$$

Find the probability that  $4 < X < 5$ .