

Math 128

Quiz 6 – December 4, 2008

Name \_\_\_\_\_

Correct answers without work are worth no credit!

1. For each of the following random variables, indicate whether it is continuous or discrete:
  - (a)  $X$  = the outcome of a die roll.
  - (b)  $Y$  = the number of earthquakes in 2004.
  - (c)  $Z$  = the time between sightings of a certain rare bird.
  
2. Let  $X$  be a random variable with normal distribution, having expected value 2 and variance 0.5. Find  $\Pr(0 \leq X \leq 1)$ .