Help

L6 PROBLEM 1 (8/8 points)

For the following real-life situations, fill in the blank with the appropriate distribution model (normal, uniform, or exponential) that would best simulate the situation.

1. Rolling a fair 6-sided die

   uniform — uniform

2. Sum of rolling 2 fair 6-sided dice

   normal — normal

3. Women's shoe sizes

   normal — normal

4. Human intelligence (IQ) scores

   normal — normal

5. Growth of mold on bread, assuming an infinite supply of bread

   exponential — exponential

6. The winning lottery numbers

   uniform — uniform

7. Skilled person throwing darts at a dart board

   normal — normal

8. Radioactive decay (time between successive atom decays)

   exponential — exponential

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