

Courseware

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## 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

n a rma al	_	
normal	▼	normal

3. Women's shoe sizes

normal ▼	normal
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4. Human intelligence (IQ) scores

normal	▼	normal

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

6. The winning lottery numbers

uniform •	uniform
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7. Skilled person throwing darts at a dart board



8. Radioactive decay (time between successive atom decays)



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