Name _____



Double Chance

Directions: Use each provided sample space to find the probability. Simplify each fraction.

1. Flip a coin, then spin 1, 2, or 3.
   Sample space: H1, H2, H3, T1, T2, T3
   What is P(heads and an even number)? _____

2. Choose red or blue, then choose A or B.
   Sample space: Red-A, Red-B, Blue-A, Blue-B
   What is P(blue and B)? _____

3. Roll 1, 2, or 3, then choose X or Y.
   Sample space:
   1X 1Y
   2X 2Y
   3X 3Y
   What is P(an odd number and Y)? _____

4. Spin A, B, or C, then flip a coin.
   Sample space:
   A-H A-T
   B-H B-T
   C-H C-T
   What is P(B or C, and heads)? _____

5. Choose a shirt, then choose pants.
   Sample space:
   Black Tan
   Red R-B R-T
   Blue B-B B-T
   Green G-B G-T
   What is P(blue shirt and tan pants)? _____

6. Spin 1 or 2, then spin A, B, or C.
   Tree diagram:
   1 -> 1A, 1B, 1C
   2 -> 2A, 2B, 2C
   What is P(2 and B or C)? _____

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