SECONDARY MATH II
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WS 4.3 CONDITIONAL PROBABILITY

NAME_____
DATE_____
CLASS_____

1. In New York State, 48% of all teenagers own a skateboard and 39% of all teenagers own a skateboard and roller blades. What is the probability that a teenager owns roller blades given that the teenager owns a skateboard?

2. At a high school, 18% of all students play football and basketball and 32% of all students of all students play football. What is the probability that a student plays basketball given that the student plays football?

3. In the United States, 56% of all children get an allowance and 41% of all children get an allowance and do household chores. What is the probability that a child does household chores given that the child gets an allowance?

4. In Utah, 88% of all households have a television. 51% of all households have a television and a Blu-ray player. What is the probability that a household has a Blu-ray player given that it has a television?

5. In New England, 84% of the houses have a garage and 65% of the houses have a garage and a backyard. What is the probability that a house has a backyard given that it has a garage?