| Name: Date:   | Math 130 Day 5 In Class Worksheet  Probability of ORs / Conditional Probabilities  |
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| 1. A jar contains 50 je   | ly beans in total. 20 of them are red, 15 are green and the other 15 are blue. If a jelly bear from the jar, what is the probability that it is red or blue?   |
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| glazed donut. Because<br>pretty quickly. Suppose<br>necessary, to get one.<br>28%, the probability to | "and "Donuts R Us" are the only donut shops in town that make your favorite type of the glazed donuts are in such demand, these donut shops usually run out of these donuts e you have a craving for a glazed donut and are willing to drive to both donut shops, if f the probability that "Greg's Donut Shop" will still have some glazed donuts for sale is at "Donuts R Us" will still have some glazed donuts for sale is 15%, and the probability will have glazed donuts for sale is 4%, what is the probability that you will be able to get |

| 3. A jar contains 50 jelly beans in total. 20 of them are red, 15 are green and the other 15 are blue. If a jelly bean is selected at random from the jar, and before you look at it you are told that it is not green, what is the probability that it is red?       |  |
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| 4. A bag contains all whole numbers from 1 to 20 in it. Suppose 2 numbers are going to be selected from the bag one at a time without replacement. Suppose the first number is drawn and it's an even number. What is the probability that the second number is even? |  |
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