Skills Check – Venn Diagrams   Name _____ Date _____

Use the following scenario for the following questions. A pizza place surveyed their customers about some toppings. The results are shown below.   Let A = pepperoni and let B = sausage.

_____1. How many total customers were surveyed?

_____ 2. Find P(A).

_____ 3. Find P(B).

A Venn diagram with two overlapping circles labeled A and B inside a rectangle. The A circle contains 43, the overlap contains 9, the B circle contains 30, and 18 is outside both circles.

_____ 4. Find P(A ∩ B)

_____ 5. Find P(A ∪ B)

_____ 6. Find P(B)'