Name _____ Date _____ Class_____

Theoretical Probability of Compound Events

Practice and Problem Solving: A/B

Use the table of probabilities to answer questions 1–3.

	Burrito	Taco	Wrap
Cheese	$P = \frac{1}{9}$	$P = \frac{1}{9}$	$P = \frac{1}{9}$
Salsa	$P = \frac{1}{9}$	$P = \frac{1}{9}$	$P = \frac{1}{9}$
Veggie	$P = \frac{1}{9}$	$P = \frac{1}{9}$	$P = \frac{1}{9}$

1. List the members of the sample space that include a taco.
   Use parentheses.

   _____

2. List the members of the sample space that include cheese.
   Use parentheses.

   _____

3. What is the probability of choosing a burrito with cheese and a taco or
   a wrap with salsa? Explain. _____

   _____

   _____

Use the information below to answer questions 4–6.

A basket of 40 pairs of pliers at a discount hardware store includes 5 pairs
of 6-inch pliers. A second basket contains 20 hammers, including 3 large
hammers.

4. What is the probability of drawing a 6-inch pair of pliers from the first

   basket without looking?_____

5. What is the probability of **not** drawing a large hammer from the second

   basket without looking?_____

6. What is the probability of drawing a pair of 6-inch pliers and

   not drawing a large hammer?_____

7. What is the probability of drawing a pair of 6-inch pliers from the

   second basket? Explain._____