

Name: _____

7R

Date: _____

HOMEWORK 9.6

Compound Events (Tree Diagram)

(#1-5) Use the information below to answer the following questions.

The crazy Chef Café offers the following lunch specials: hamburger, pizza, chicken or tuna.

The special comes with either French fries or onion rings.

1) Make a tree diagram.

2) List the sample space.

3) Find the probability of hamburger and French fries. _____

4) $P(\text{onion rings}) =$ _____

5) $P(\text{pizza or chicken with French fries}) =$ _____

6) If Baskin & Robins offers 10 flavors, 4 cones, and 8 toppings, how many possible outcomes are there? (HINT: use the fundamental counting principle)