

Name: \_\_\_\_\_ Student#: \_\_\_\_\_ Date: \_\_\_\_\_

## COMP 2711: Discrete Mathematical Tools for Computer Science

### In Class Exercise #4

1. How many functions are there from a two-element set to a three-element set? Write down all the functions from the 2-element set  $\{1, 2\}$  to the 3-element set  $\{a, b, c\}$ .

Answer:

2. How many functions are there from a 3-element set to a 2-element set? Write down all the functions from the 3-element set  $\{1, 2, 3\}$  to the 2-element set  $\{a, b\}$ .

Answer: