Name: _____

Chapter 1 – *Section 1.1 Functions and Function Notation*

TICKET-IN-THE-DOOR

In order to be prepared for class you must watch the module and complete the following activity. This is due first thing when you get to class.

What is the definition of a **function**?

Check your understanding:

1. Determine if this table describes a **function**. Explain.

x	y
-5	10
8	-6
-5	2
2	-2
7	7

2. Determine if this set of points represents a **function**. Explain.

(–2, 12), (–1, 12), (1, 12), (0, 12), (2, 12)

3. The table below gives the weight and height of the first 6 months of an average Clydesdale Horse. (*Hint*: Create an arrow diagram for each case to help you answer parts a-c)

Month	**1**	**2**	**3**	**4**	**5**	**6**
Weight	125lb	127 lb	136 lb	165 lb	175lb	181.25lb
Height	3ft	3ft	3.3ft	3.6 ft	3.9 ft	4.2 ft

a. Is the Clydesdale's height a function of its age (in months)? Explain

b. Is the Clydesdale's height a function of its weight? Explain.

c. Is the Clydesdale's Weight a function of its height? Explain.