

# In-Class Activities

Mathematics Department  
Fort Lewis College

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These activities are designed to be used in class to help students understand the material. They are not graded, but students are encouraged to work on them in groups and ask the instructor for help when needed.

# Math 113 Function Intro Worksheet

## Objectives

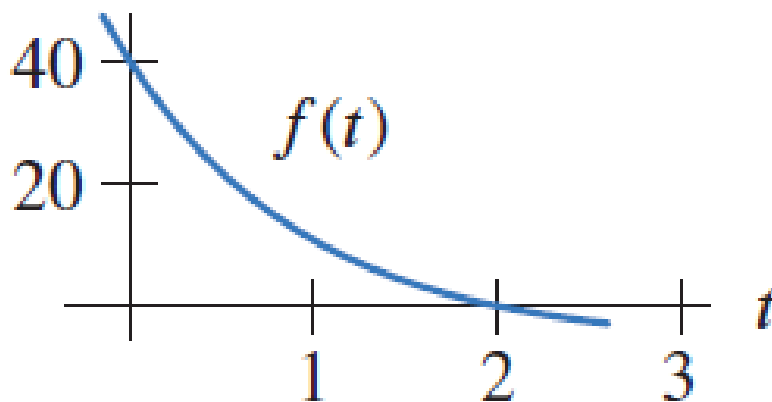
- Use an externally generated image in an exercise.
- Use an internally generated table in an exercise.
- Use an ordered list for enumeration within an exercise.

In this worksheet we will work with function notation and see a couple Pretext techniques. The exercises are from the active learning ancilliary materials from *Functions Modelling Change: A Preparation for Calculus* by Connaly et al.

1. Use the figure below to fill in the missing values.

(a)  $f(0) = ?$

(b)  $f(?) = 0$



**Figure 1** Graph saved in assets as .png from outside source.

2. Data for rainfall,  $R = f(t)$ , in Tucson, Arizona is given in [Table 2](#) below, where time,  $t$ , is in months with  $t = 1$  being January.

**Table 2**

$t$ (months)	1	2	3	4	5
$R$ (inches)	0	0.1	0.54	0.1	0.35

- (a) Find and interpret  $f(5)$ .
- (b) Solve  $f(t) = 0$  and interpret the meaning of your answer.
- (c) Solve  $f(t) = 0.1$  and interpret the meaning of your answer.