

**Chapter 3 Part 1 Learning Targets**

My goal for this chapter is to earn \_\_\_\_\_ on the Chapter test.

Steps I will take to achieve this goal include:

1) \_\_\_\_\_

2) \_\_\_\_\_

Before the test, complete columns two and three by:

- ✘ Provide an example (page and problem number) for each learning target.
- ✘ Circle the descriptor that best describes how you feel about your mastery of each objective.
  - ☺ = I know I can correctly teach this topic to another student if asked.
  - ☹ = I know the topic and can work through the problem but am unsure whether I am correct.
  - ☹ = I do not know how to start or complete the problem. I need to ask for help!
- ✘ Note: IF IT IS NOT A ☺, YOU PROBABLY ARE NOT READY FOR THE QUIZ/TEST!!!!!!

Learning Target	Example	Self-Assessment	Test Performance
<b>Section 3.1 – Functions</b>			
Define a function	Pg. 172 #9, 15, 21	☺ ☹ ☹	
Find the domain of a function (use interval notation)	Pg. 173 #51, 59	☺ ☹ ☹	
Using the vertical line test on the graph of a function	Pg. 172 #19, 21	☺ ☹ ☹	
Using function notation	Pg. 173 #34	☺ ☹ ☹	
Find the slope between two points	Pg. 173 #73	☺ ☹ ☹	
<b>Section 3.2 – Graphing Functions</b>			
Finding the domain and range of a function from the graph (use interval notation)	Pg. 184 #13	☺ ☹ ☹	
Finding the domain of a function algebraically (use interval notation)	Pg. 185 #37, 43	☺ ☹ ☹	
Finding the intercepts of a function		☺ ☹ ☹	
Graphing a linear function using $f(x)=mx+b$	Pg. 185 #27	☺ ☹ ☹	
Graph a piecewise function	Pg. 185 #51		
<b>Section 3.3 – Transformations of Functions</b>			
Recognize several parent functions	Pg. 188 and 189 “Library of Elementary Graphs” + $y = 2^x$	☺ ☹ ☹	
Transform graphs vertically (up and down)	Pg. 200 #57	☺ ☹ ☹	
Transform graphs horizontally (left and right)	Pg. 200 #49	☺ ☹ ☹	
Reflect over x and y axis	Pg. 199 #19, 25	☺ ☹ ☹	
Transform graphs by stretching or shrinking vertically	Pg. 200 #41	☺ ☹ ☹	
Transform graphs by stretching or shrinking horizontally	Pg. 200 #43	☺ ☹ ☹	

