

## Unit 1, Study Guide/Plan:

Your Individual Test and Team Test are coming up. My form of a study guide is designed to help you figure out what topics are important and to actually study and prepare for the test by focusing on the work you have done, the skills you have been building and the skills you still need to work on. I do not give a study guide that looks similar to your test. If you have been doing your classwork, setting up your notes, watching the videos and completing your homework like I have been coaching you to complete it (all problems/original question written, all work shown), summarizing etc. your best study guide is your own notebook. If you have not been doing that, think about what you can do to improve for Unit 2. There is still time for this unit, too--so get to work! :)

Here is what you should have done, or should do to prepare:

- Complete all homework.
- Review your classwork that has been done and make sure you summarized your learning.
- Review your homework that's been done and make a list of questions/problems you still don't understand. Ask myself or a peer for help, or google the topic on your own and watch some videos or read up on one of the myriad magical math websites out there for help. Try similar problems for additional practice.
- Complete Chapter 1 Closure Problems--I will not check it (you should, answers are included in the table in the chapter) but it will benefit you GREATLY to do them. When you check them, if you get a problem wrong, there is extra help and practice listed in the answer table.
- Complete the Checkpoint Mastery Toolkits (Basic and Functions) and check your work on the website.
- Update your Learning Log 1-32 with all possible graph investigation questions.
- Watch every required video that you have not yet watched.
- Create a Study Guide sheet. It may be a maximum size of 8.5" x 11", front and back with NO origami or fold out pieces.

## Topics that may be on your Individual Test:

- Function notation
- What makes a function a function (one input has one and only one output)
- solving multi-step linear equations for  $x$  and showing the check--check your work by substituting in the answer and showing that both sides are equal (Checkpoint 1)
- Describing a graph or function completely (Learning Log 1-32, Parent Function Investigations)
- Order of Operations
- Diamond Problems
- Function machines
- Squares/square root, cubes/cube roots (perfect squares and perfect cubes), and absolute value
- Any of the topics on the Mastery Checkpoint Toolkits

## Topics that may be on your Team Test:

- Identify whether a relation is a function or not (and give definition of a function)
- Find the domain and range
- Function notation and composite functions
- Graph a given function (graph it fully) and describe it completely (Learning Log 1-32)
- Solve linear equations
- Any additional topics that are on your individual test

GOOD LUCK!