

Integrated Math 1: Chapter 1 Learning Plan

| Learning Targets | Self-Assessment | | | |
|---|--|--|--|--|
| | I struggle a lot with this concept. Even if I showed an example, I can't follow the problem. | I struggle with this concept. I would need an example for help, or would ask a teammate. | I understand this problem and could solve it without help. | I understand this problem and can give a very in-depth answer. |
| 1. Checkpoint 1: Solving Linear Equations, Part 1 (Integer Coefficients), as in problems 1-16, 1-23, 1-50, 1-72, and CL 1-89. |  | | | |
| 2. Absolute value, square root, and cube root as in problems 1-7, 1-29, 1-30, 1-60, and CL 1-92. |  | | | |
| 3. Working with angles as in problems 1-31, 1-62, and 1-42. |  | | | |
| 4. Understand and correctly interpret function notation as in problems 1-39, 1-61, 1-71, and CL 1-91. |  | | | |
| 5. Determine inputs and outputs of functions as in problems 1-24, 1-38, 1-82, and CL 1-93. |  | | | |
| 6. Determine functionality as in problems 1-47, 1-59a, 1-83, and CL 1-90. |  | | | |
| 7. Determine domain and range as in problems 1-59, 1-83, and CL 1-90. |  | | | |
| 8. Rewrite expressions with positive exponents as in problems 1-68, 1-69, and CL 1-88. |  | | | |
| 9. Recognize values excluded from a function's domain as in problem 1-53d. |  | | | |
| 10. Rewrite expressions with zero and negative exponents as in problem 1-81. |  | | | |
| 11. Write and perform computations using scientific notation as in problems 1-70 and 1-84. |  | | | |

Key Vocabulary

Below are the key vocabulary words from this chapter. You will be expected to not only interpret these words in directions/problems, but use them in your own writing/explanations as well. Please reference your textbook, and reference notebook for definitions and examples.

| | | |
|----------------------------------|------------------------------|----------------------------|
| absolute value | base (of an exponent) | decreasing function |
| dependent variable | domain | equation |
| exponent | exponential function | function |
| function notation | Giant One | graph |
| increasing function | independent variable | input value |
| laws of exponents | linear function | output value |
| proportional relationship | range | scientific notation |
| x-intercept(s) | x → y table | y-intercept(s) |

How Can I Use This Learning Plan?

- 1) Whenever asked to (or on your own), assess yourself with the prompts provided. This will help to track your growth, and can help both you and your teacher understand your needs. It is strongly recommended to self-assess once a week so that you can identify problems long before the day of the assessments or team tests.
- 2) If you feel weak on any of these topics, it is very important that you are honest about it. If a particular style of problem is unclear after practicing a few times and using the e-book resources, that is a good time to seek help.
- 3) Lastly, remember that this is a study guide. Many of these concepts will constantly reappear over the semester. You have several opportunities to show your growth of knowledge throughout the course.