Advanced Algebra

What are we learning in Unit 1—Linear Functions?

Self-Ratings:

1: I've never seen this topic and wouldn't even know how to begin.

2: I've heard or seen this before, but don't know how to start or complete the problem.

3: I know the topic and can work through the problem but am unsure whether I am correct.

4: I feel confident that I could present my work and solution to the class.

5: I feel that I could correctly teach this topic to another student if asked. Pre-Unit Mid-Unit Post-Unit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Target** | **Examples** | **Date:** | **Date:** | **Date:** |
| **1.A.** Identify whether a  relation, given a graph or  table, is a function.  (embed review of slope-intercept form) | Can the graph or table below be classified as a function?  1. (-2, 2), (-1, 1), (0, 0), (-1, 1), (-2, 1) 2.  3. Find the slope and y-intercept of the line  .  4. Graph the equation .  5. Write the equation of a line that has a slope of 4 and passes through the point (-1, 7) |  |  |  |
| **1.B.** Using function notation, evaluate a function for a given x-value | Find each value if  and  1.  2.  3.  4. |  |  |  |
| **1.C.** Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. | 1. Solve the formula  for C.  2. Solve the formula  for r. |  |  |  |
| **1.D.** Find and graph the inverse of a linear function. | Find and graph the inverse of each function.  1.  2.  3. |  |  |  |