Mathematics CFA Template

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| Pre-Instruction |
| 1. List the Standard. Underline the nouns (what students will know) and highlight the verbs (what student will do): |
| 8.F.3 Interpret the equation y=mx+b as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. |
| 2. Mathematical Practices |
| SMP 1. Make sense of problems and persevere in solving them.SMP 3. Construct viable arguments and critique the reasoning of others.SMP 7. Look for and make use of structure. |
| 3. I Can Statements – Put learning targets in student friendly terms. |
| I can interpret y=mx+b.I can distinguish between a linear and nonlinear function on a graph.I can give examples of both linear and nonlinear functions.Depth of Knowledge of the standard (Highlight the Level of the Learning Target): Level 1 Recall; Level 2 – Skill/Concept; Level 3 – Strategic Thinking; Level 4 – Extended Thinking |
| 4. List the skills students need to know in order to begin this standard: |
| Be able to interpret a graph.Understand the slope intercept form. |
| 5. What type of assessment am I going to write? [selected response (m/c, t/f, y/n, matching, fill in \_\_\_) **or** constructed response (**short:** word, phrase, sentence, single problem; **extended**: multi-step operations in math, problem solving)] List the assessment questions. |
| Constructed Response1. Determine which of the following functions are linear.
2. 2y = 3x -4
3. y = x2 + 1
4. y = 3
5. y = ½ x + 10
6. Is (A = s2 ) a linear equation? Explain why or why not.
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| 6. Scoring Guide  |
| **Exceeds Expectations:** **Proficient:**  Correctly answers one and two.**Approaching Proficiency:** Correctly answers either number one or two.**Not Proficient:** Only partially answers number one correctly.  |