

UNIT 1 - LESSON PLANS

Class PreCalculus Topic Function Operations and Composition of Functions Lesson 6 Of 1

Students will:

Objective

- Combine standard function types using arithmetic operations.
- Compose functions.

I can combine standard function types using arithmetic operations.

"I Can" Statement

I can compose functions.

Common Core Standards

CCSS.MATH.CONTENT.HSF.BF.A.1

Write a function that describes a relationship between two quantities.*

CCSS.MATH.CONTENT.HSF.BF.A.1.B

Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model.

CCSS.MATH.CONTENT.HSF.BF.A.1.C

Compose functions. For example, if $T(y)$ is the temperature in the atmosphere as a function of height, and $h(t)$ is the height of a weather balloon as a function of time, then $T(h(t))$ is the temperature at the location of the weather balloon as a function of time.

Bell Work

See 1-6 Bell work

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

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Assessment

Bell Work 1-6
Assignment 1-6
Exit Quiz 1-6

Additional Resources

See Online Activities