

Algebra and Representation HW #10

Functions

1. Find and state at least two definitions of a mathematical function. (Look online, in the glossary of the Academic Content Standards, or in your textbooks if you have them at home.)

2. List three examples of things that are functions for which the context would be something that your students would be familiar with.

(Bad example: $y = 3x$. This is a bad example because (most of) your students would have no idea what this is.

Better example: How tall a student in your class is as a function of the days of the school year.)

3. List three additional examples that are relationships of things that are familiar to your students, but are not functional relationships.

(Bad example: The set of ordered pairs $\{(3, 5), (4, 5), (3, 2)\}$. Again, your students probably don't know what ordered pairs are or why they might care about them.

Better example: The students in your class and their parents' address. One student COULD have parents with two different addresses.)