

PROBLEM-OF-THE-DAY: ALGEBRA 1**WEEK:** September 24 to September 28**DAY:** Wednesday

RISD Objective: Given a table, set of ordered pairs, graph, or equation, students will be able to determine whether or not the relation is a function.

PROBLEM #27

Brenda claims the following set of ordered pairs represents a function. Maria disagrees. Which student is correct, Brenda or Maria? Why?

$\{(3,2), (6,-10), (2,3), (6, 5), (4,9), (7,2)\}$

MODEL SOLUTION #27

A relation is a function if every member of the domain (inputs) is paired with only one member of the range (outputs). So, in this case, Maria is correct. This is not a function. The x value 6 repeats with a different value of y.