

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

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 #29

**The following chart lists students and their phone numbers.
Does the chart represent a function? Why or why not?**

| Student | Phone Number(s) |
|-------------------|------------------------|
| Algood, Greg | 555-1234 |
| Baca, Carlos | 555-2222 and 555-3344 |
| Culverson, Eric | 555-3535 |
| Demming, Heather | 555-0987 and 555-7654 |
| Erickson, Barbara | 555-1213 |

MODEL SOLUTION #29

A relation is a function if every member of the domain (inputs) is paired with only one member of the range (outputs). In this case, some of the students are paired with two telephone numbers, so it would not represent a function.