Lesson 12: The Relationship Between Absolute Value and Order

Problem Set

1. Micah and Joel each have a set of five rational numbers. Although their sets are not the same, their sets of numbers have absolute values that are the same. Show an example of what Micah and Joel could have for numbers. Give the sets in order and the absolute values in order.

Enrichment Extension: Show an example where Micah and Joel both have positive and negative numbers.
2. For each pair of rational numbers below, place each number in the Venn diagram based on how it compares to the other.
	1. $-4, -8$

**None of the Above**

**Is the Greater Number**

**Has a Greater Absolute Value**

**Is the Greater Number and Also the Greater Absolute Value**

* 1. $4, 8$
	2. $7, -3$
	3. $-9, 2$
	4. $6, 1$
	5. $-5, 5$
	6. $-2, 0$