## Unit 4 Lesson 7: All, Some, or No Solutions

### 1 Which One Doesn’t Belong: Equations (Warm up)

#### Student Task Statement

Which one doesn’t belong?

### 2 Thinking About Solutions

#### Student Task Statement

1. Sort these equations into the two types: true for all values and true for no values.
2. Write the other side of this equation so that this equation is true for all values of .
3. Write the other side of this equation so that this equation is true for no values of .

### 3 What's the Equation?

#### Student Task Statement

1. Complete each equation so that it is true for all values of .
2. Complete each equation so that it is true for no values of .
3. Describe how you know whether an equation will be true for all values of or true for no values of .



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