

## Connecting the Standards for Mathematical Practices to Instructional Tasks

### Task:

- Complete the problem shown below.
- Share your approach and outcome to the problem with the members of your group.
- Identify the standards to which this problem has connections.
- Discuss how this problem might be used within a lesson that targets the identified standards. (motivation, review, enrichment,...)
- Identify the Standards for Mathematical Practice to which this problem has connections
- Discuss how using this problem might help students to become more proficient with the identified Standards for Mathematical Practice.

### *Problem*

Is  $(x + 5)^2 = x^2 + 25$  ?

A: Always true      B: Never true      C: Sometimes true

Convince me:

1. Numerically?
2. Pictorially and/or Graphically?
3. Symbolically?

### *Work*

<i>Solution</i>	
<i>Content Standards</i>	
<i>Rationale for the selection</i>	
<i>How might this problem be used in a lesson?</i>	
<i>Standards for Mathematical Practice</i>	
<i>Rationale for the selection</i>	