Differentiating

in Math Class

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What is Differentiation?

• Organizing learning experiences so that ALL students are productively engaged in building new knowledge.

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Two Charges of Differentiation

(according to Rick Warmeli)

- Do whatever it takes to maximize students' learning instead of relying on one-size-fits-all, whole-class method of instruction.
- Prepare students to handle anything in their current and future lives that is not differentiated, i.e., to become their own learning advocates.

 Wormeli, R. (2007). Differentiation: From planning to practice, grades 6-12. Portland, ME: Stenhouse Publishers. p. 9.

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Why Differentiate?

- Differentiating learning experiences ensures that all learners can engage productively with math content
- Everyone is challenged; no one is bored

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Three Differentiation Strategies for

Math Class

- 1. One problem, multiple concepts
- 2. One problem and concept, different conditions
- 3. Different problems, same concept
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Strategy Two:

One Problem And Concept, Different

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Conditions





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The Take-Home Message

- We explored three strategies for differentiating in math class:
 - > One problem, multiple concepts
 - One problem and concept, different conditions

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- > Different problems, same concept
- Differentiating learning experiences ensures that all learners can engage productively with math content

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