**Unit 8: Piecewise Functions and Step Functions**

**Day 1: Story Sketches**

**Day 2: Introduction to Piecewise Functions**

**Day 3: Continuing Piecewise Functions**

**Day 4: Putting the Pieces Together Activity**

**Day 5: Introduction to Step Functions**

**Day 6: Continuing Step Functions**

**Day 7 & 8: Reviewing Function Notation and Working with Functions**

**Day 9: Unit 8 Assessment**

**STORY SKETCHES**

**Content and Language Objective:**

**Students will explore the characteristics of piecewise graphs to help them analyze and interpret graphs that are not always continuous, to help learn the process for writing piecewise functions.**

Let's read through the objective and fill in the statements below:

Students will\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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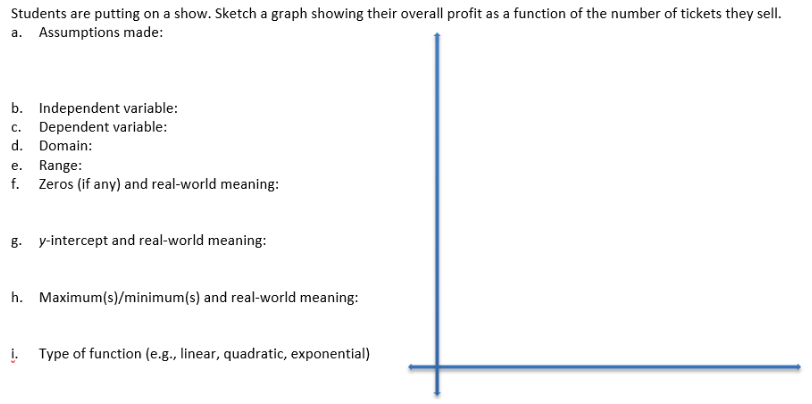
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**WARM-UP**

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**DAY 2: INTRODUCING PIECEWISE FUNCTIONS**

**Content and Language Objective:**

**Students will explore the characteristics of piecewise graphs to help them analyze and interpret graphs that are not always continuous, to help learn the process for writing piecewise functions.**

Let's read through the objective and fill in the statements below:

Students will\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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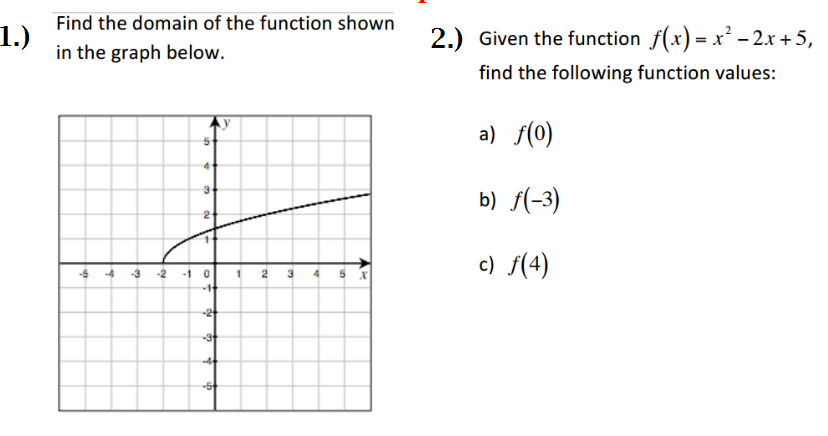
In order to\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

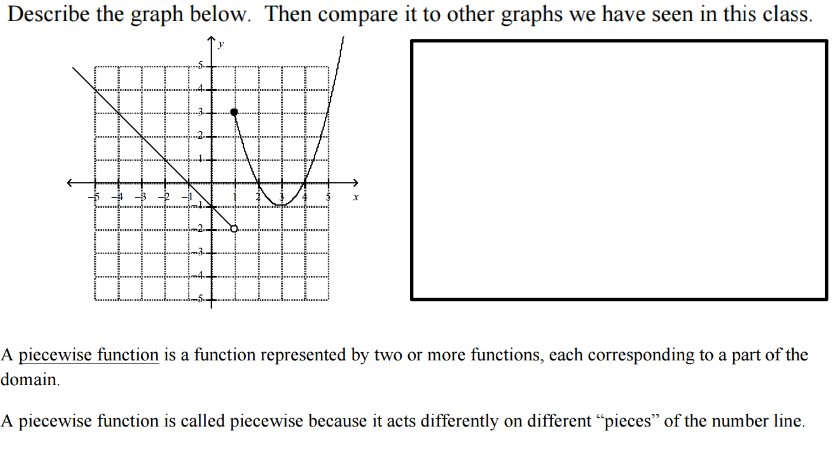
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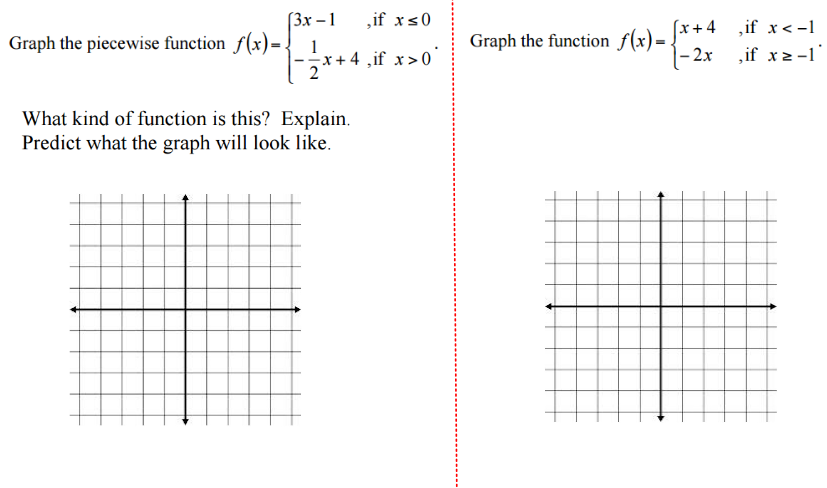
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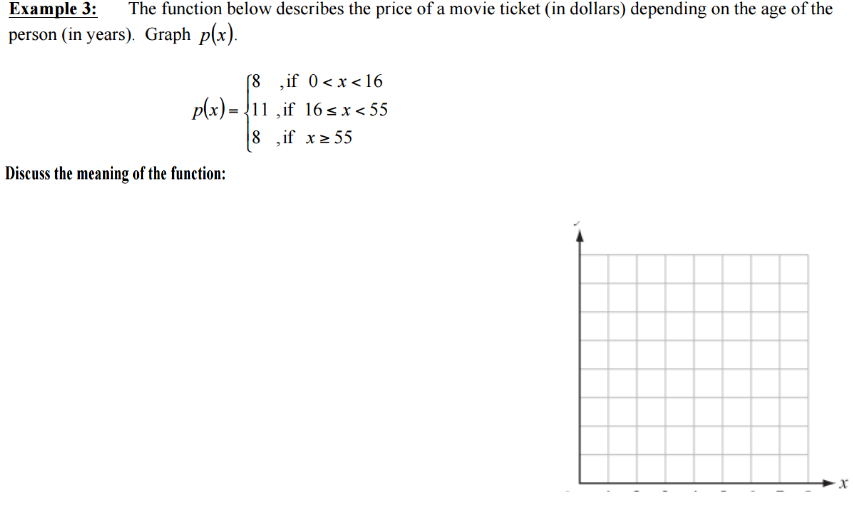
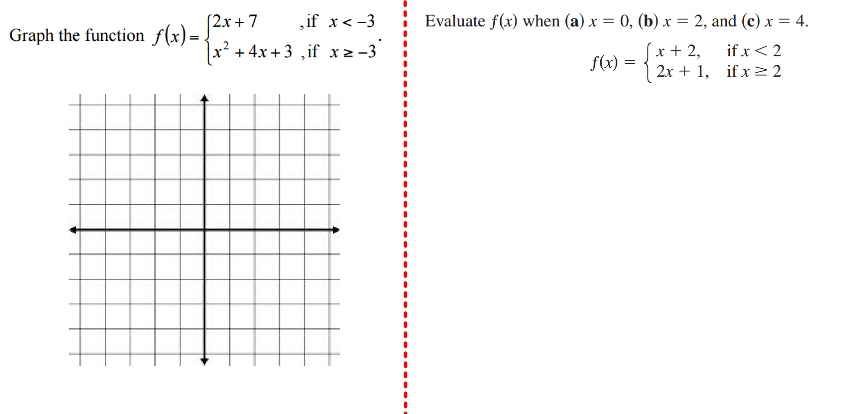
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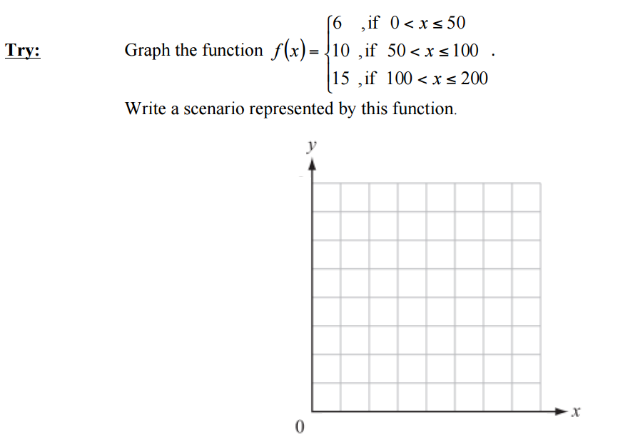
**WARM-UP**

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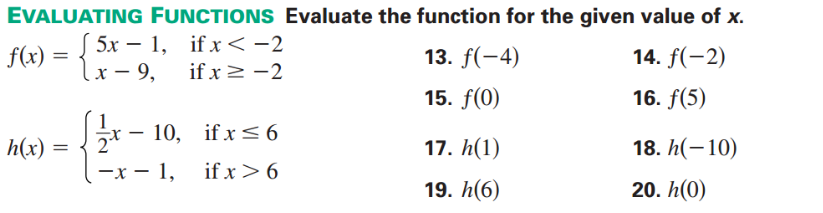
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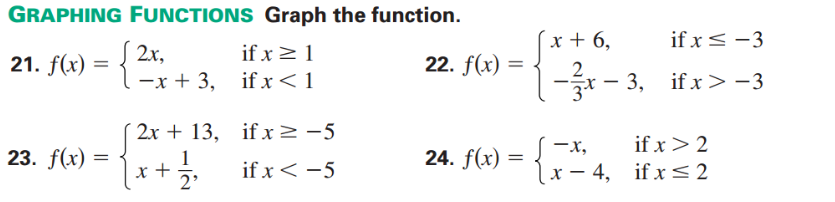
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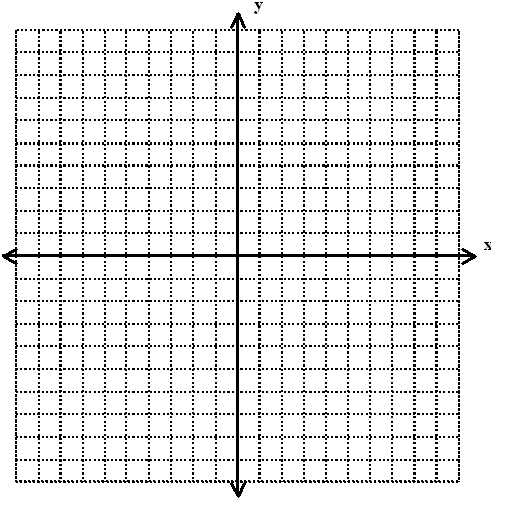
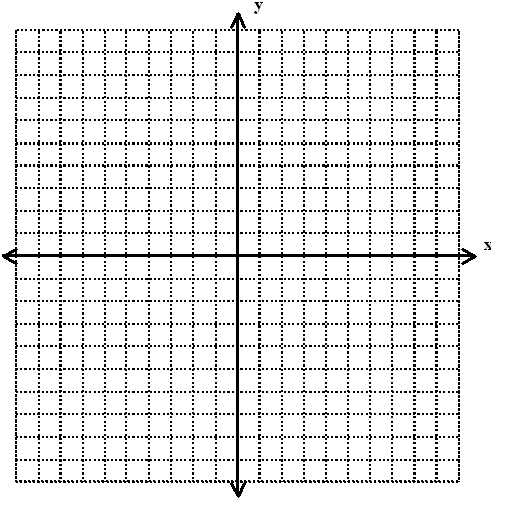
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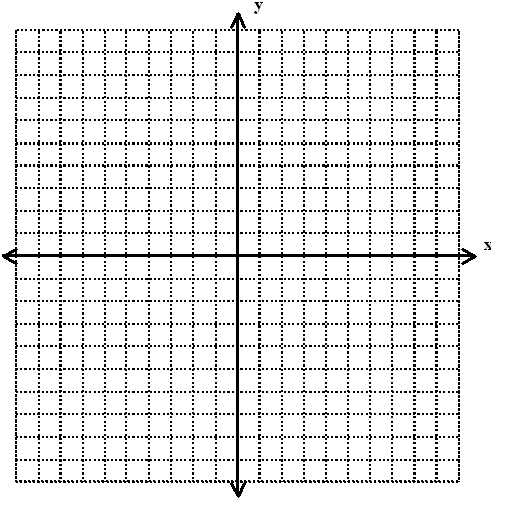
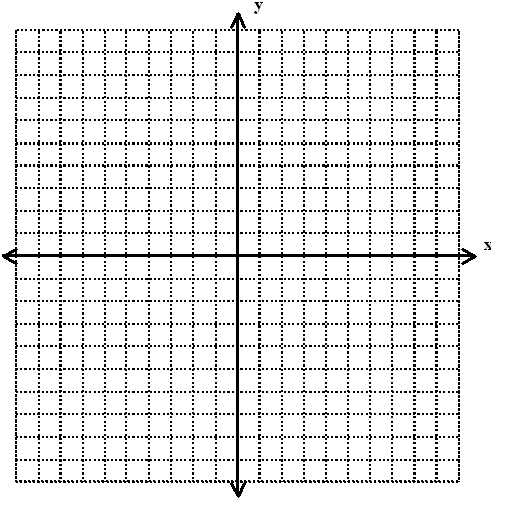
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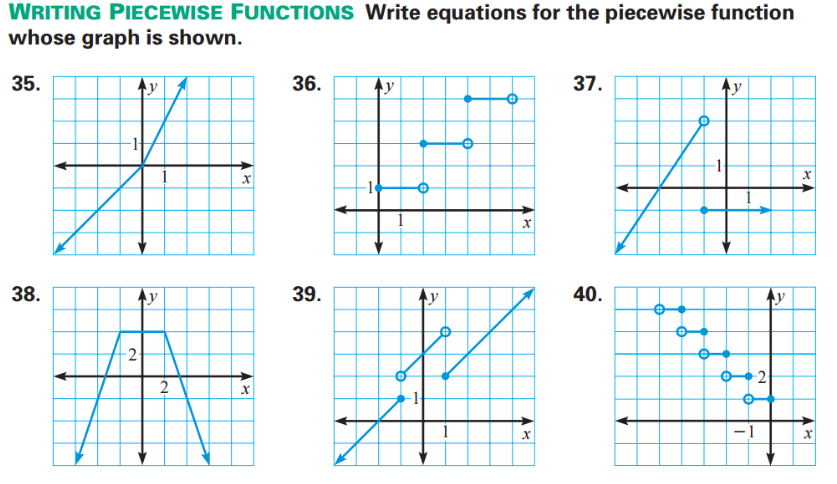
**PRACTICE!!!**

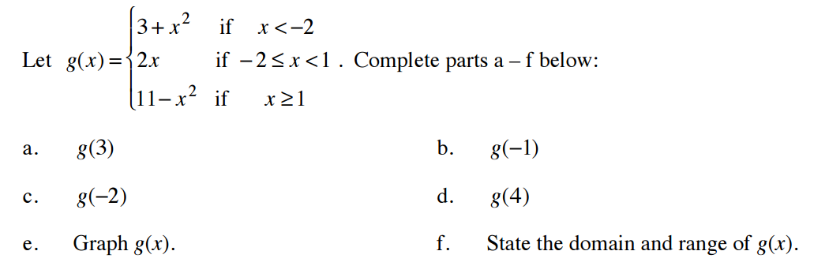
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**Day 3: Continuing Piecewise Functions**

**Content and Language Objective:**

**Students will practice working through a variety of piecewise functions to help them understand how piecewise functions** **work so they can setup piecewise functions on their own.**

Let's read through the objective and fill in the statements below:

Students will\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

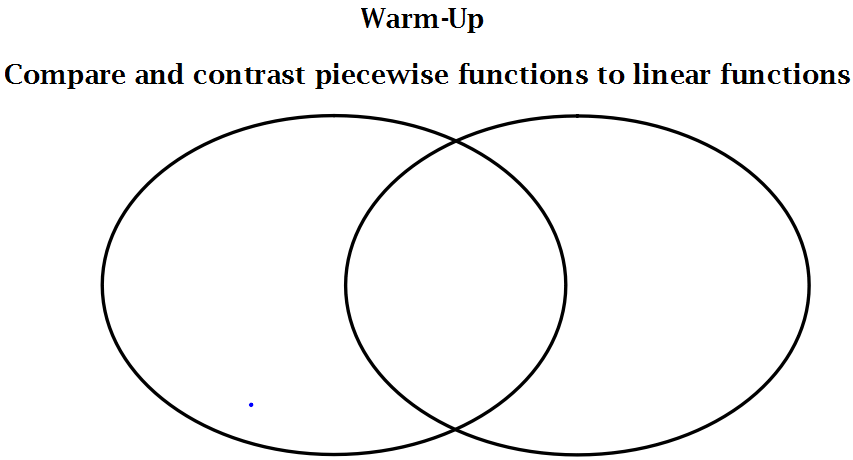
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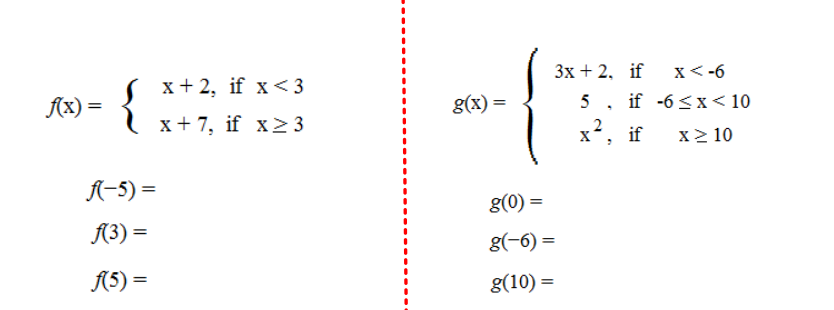
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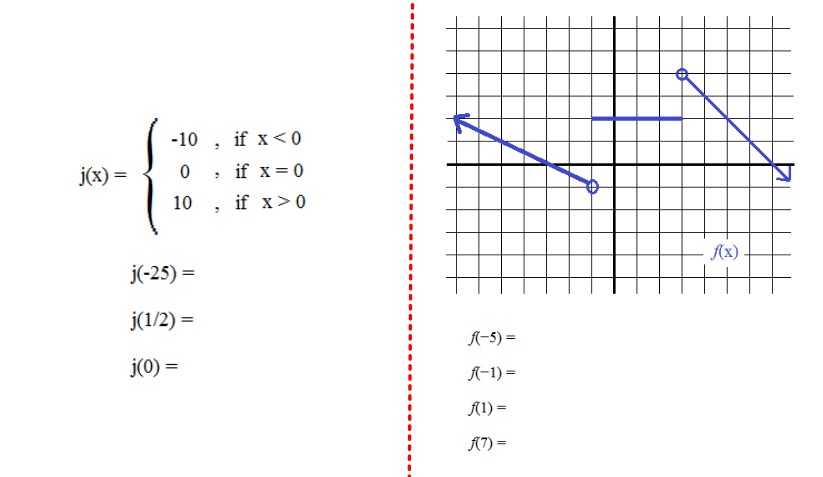
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**PRACTICE!!!**

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**Day 4: Putting the Pieces Together**

**Content and Language Objective:**

**Students will use what they know about writing and graphing piecewise functions to complete a matching game so they can prove that they understand piecewise functions.**

Let's read through the objective and fill in the statements below:

Students will\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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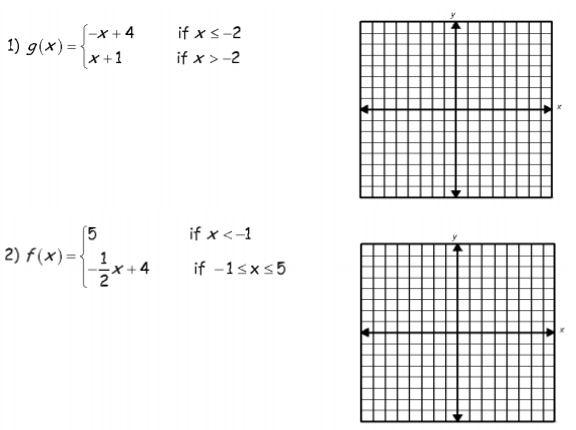
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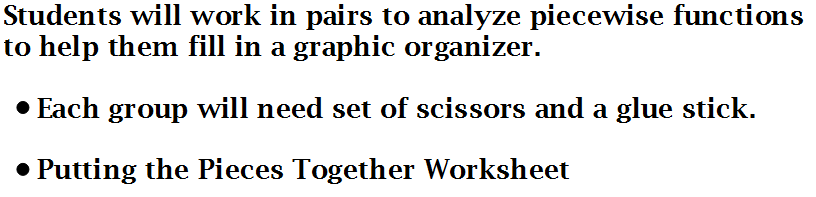
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**Warm – Up**

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**Day 5: Step Functions**

**Content and Language Objective:**

**Students will learn about a step function to build upon their knowledge of piecewise functions in order to be able to graph a variety of piecewise functions.**

Let's read through the objective and fill in the statements below:

Students will\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

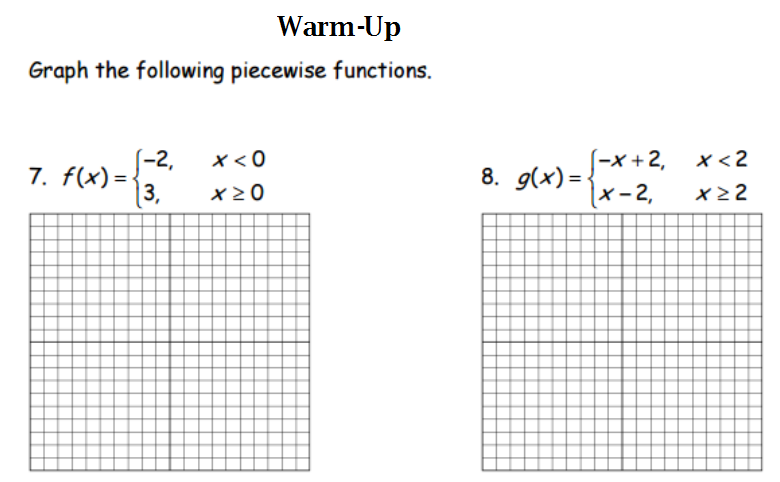
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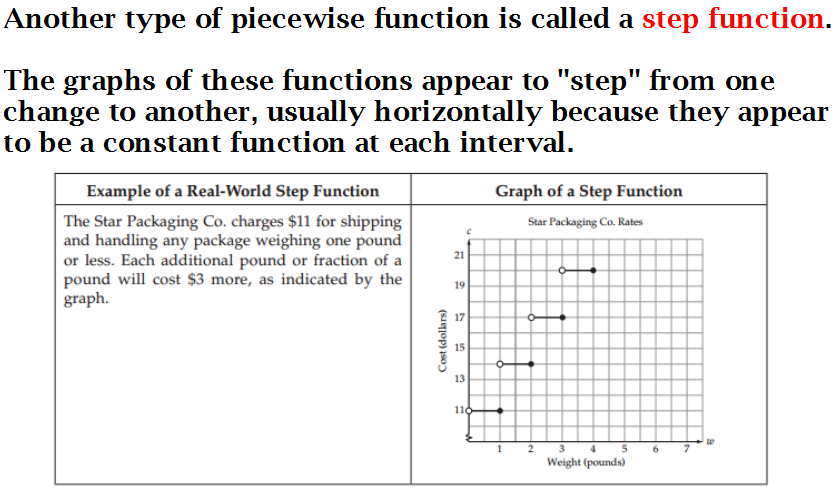
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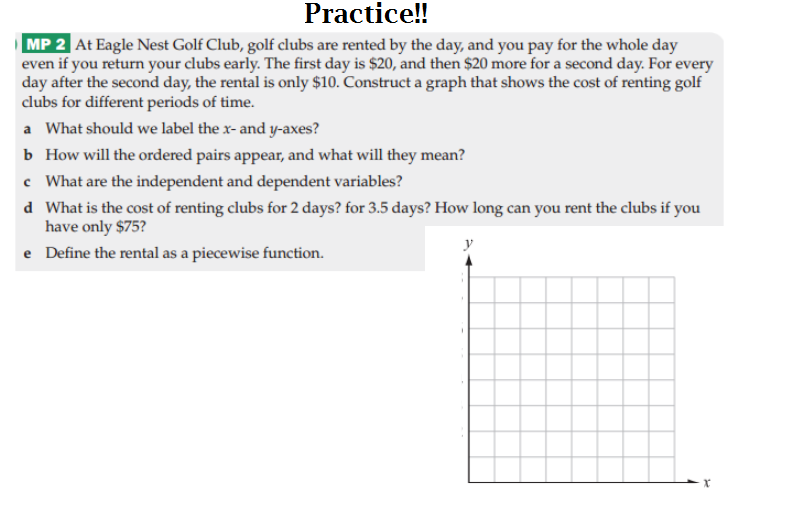
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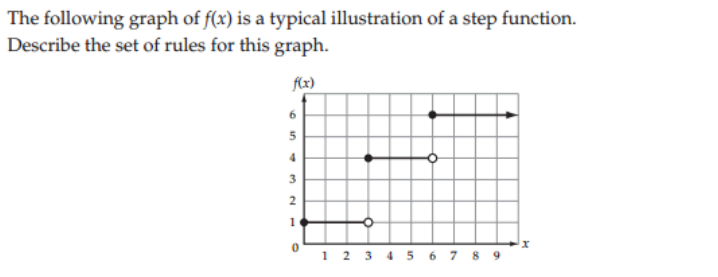
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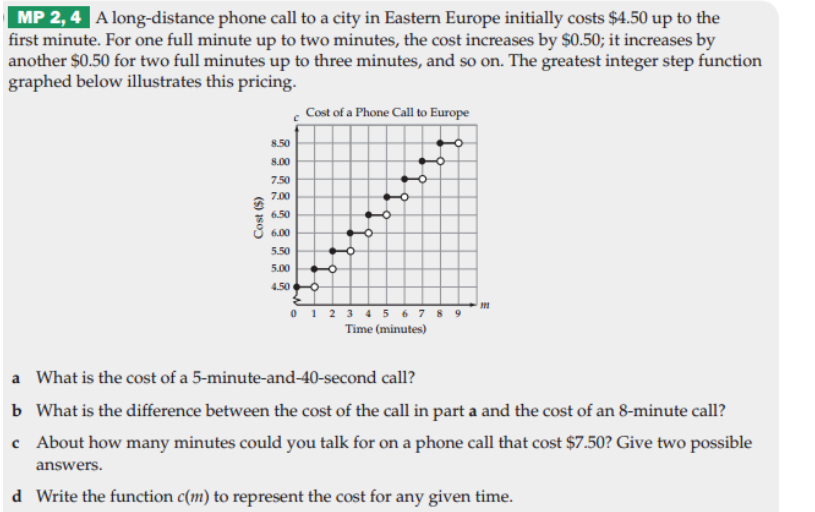
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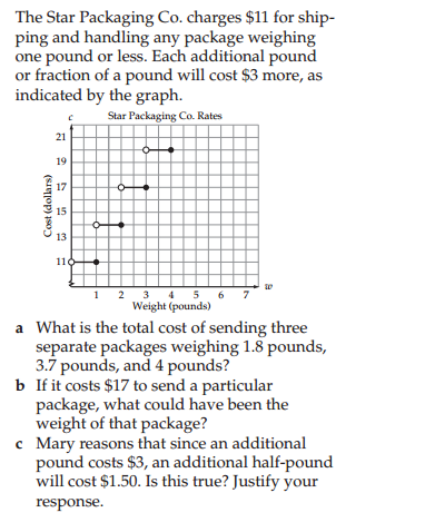
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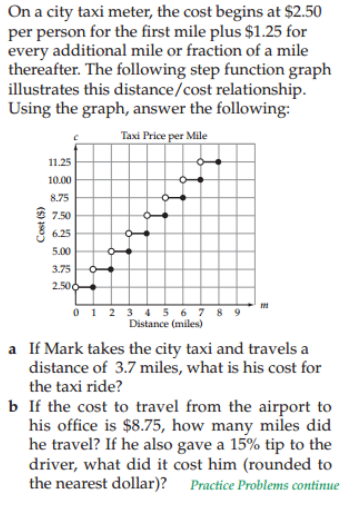
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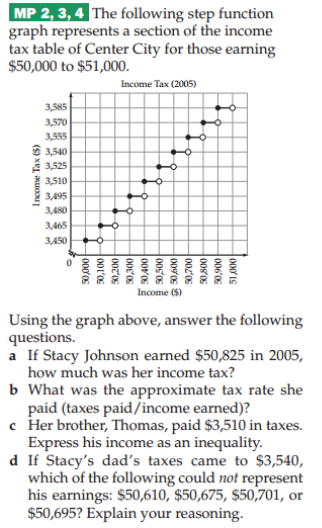
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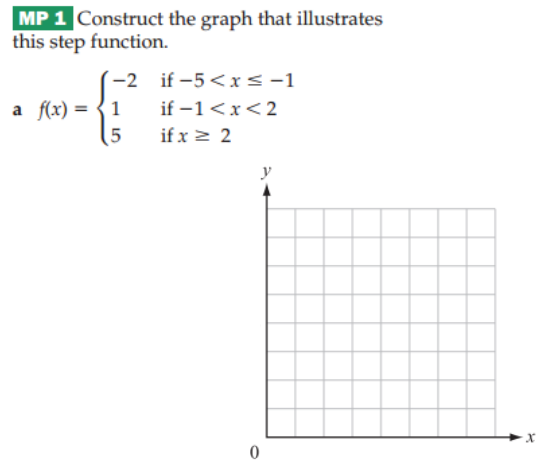
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