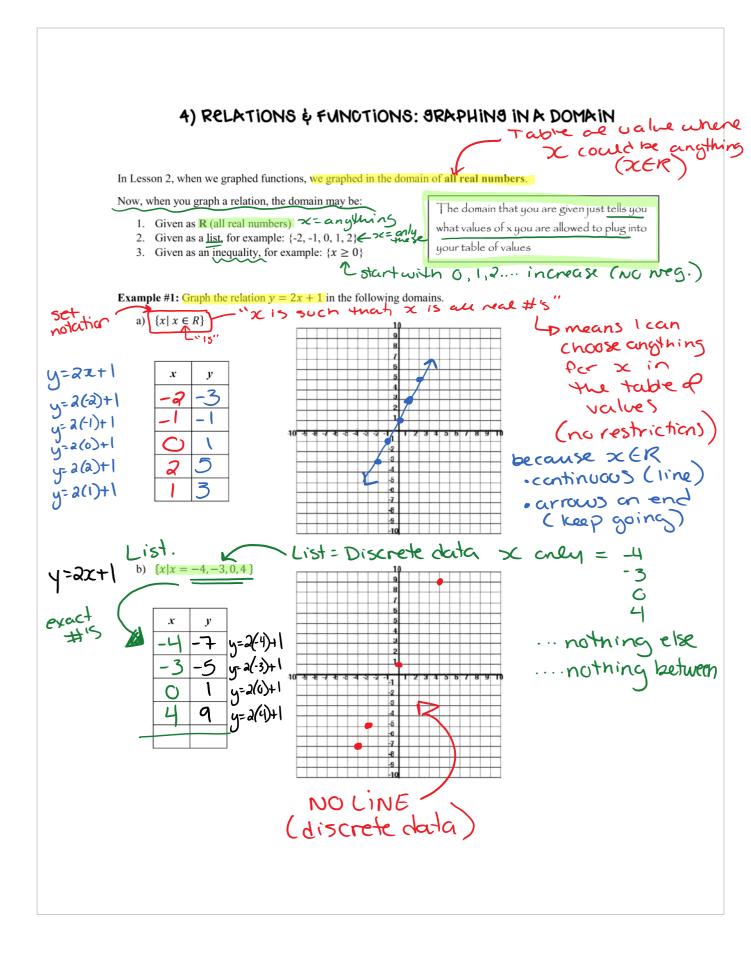
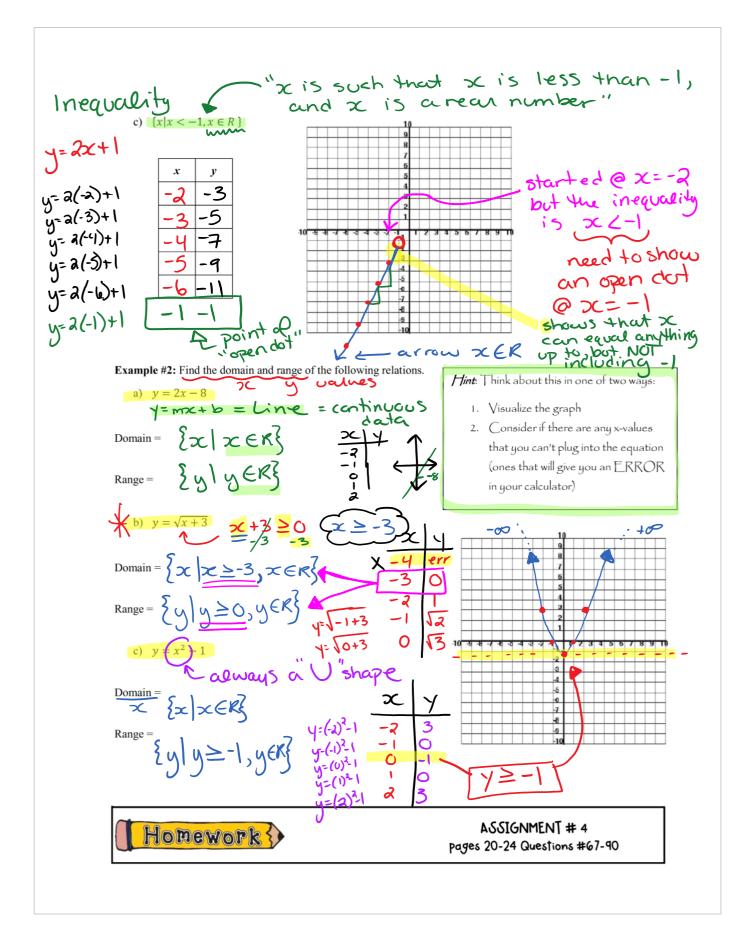
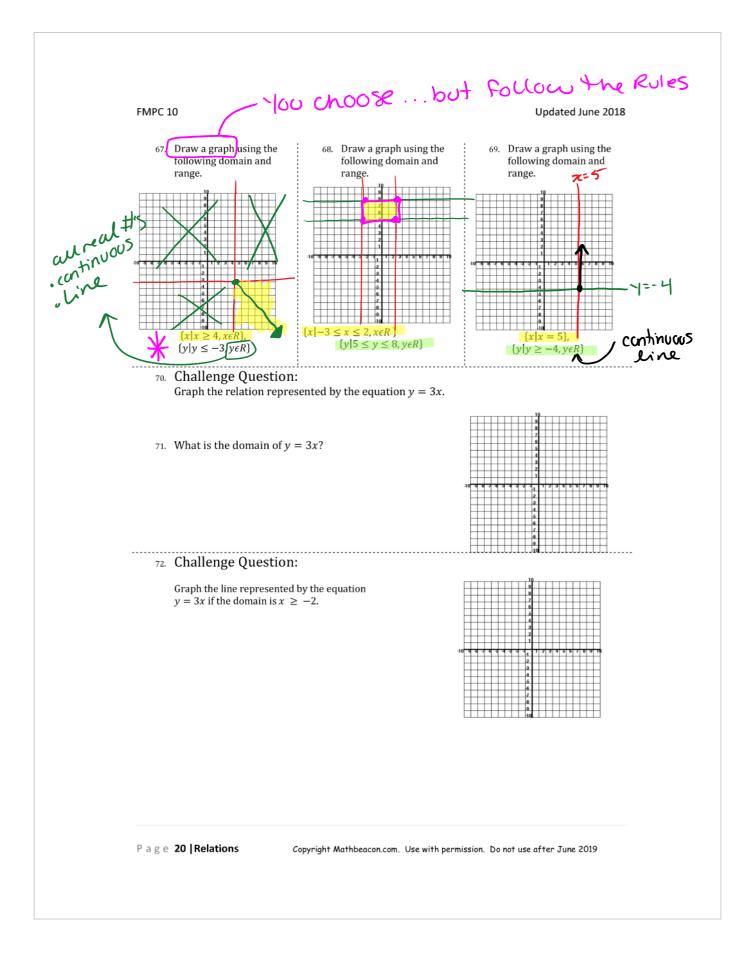
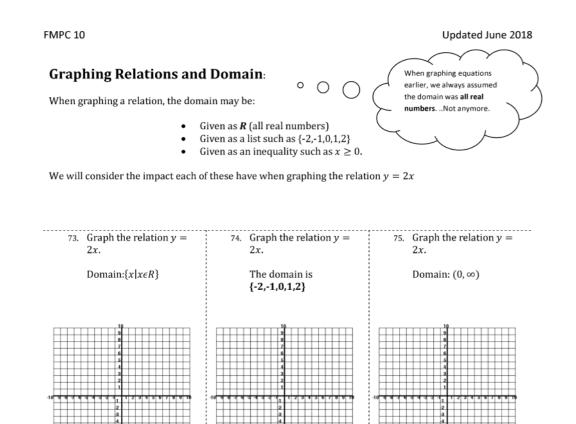
# Lesson 4 Graphing in a Domain

November 14, 2018 3:51 PM









See next page for solution

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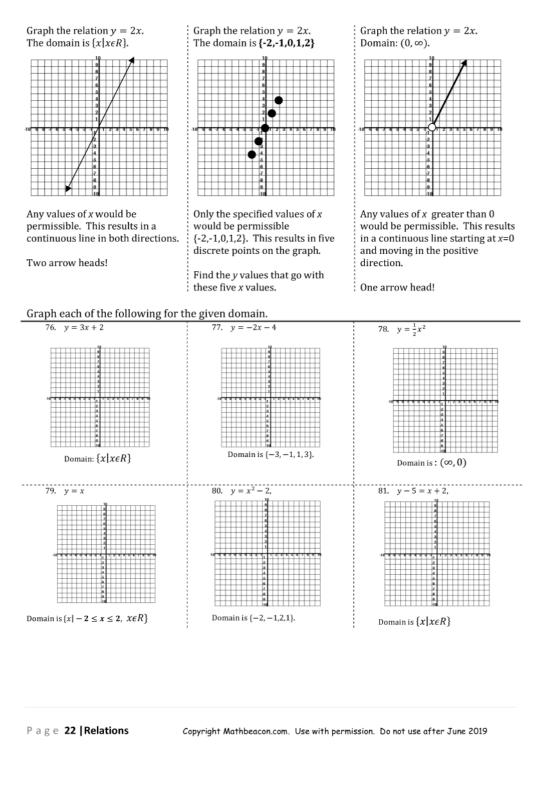
Some notes here...

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#### FMPC 10

#### Updated June 2018



# FMPC 10

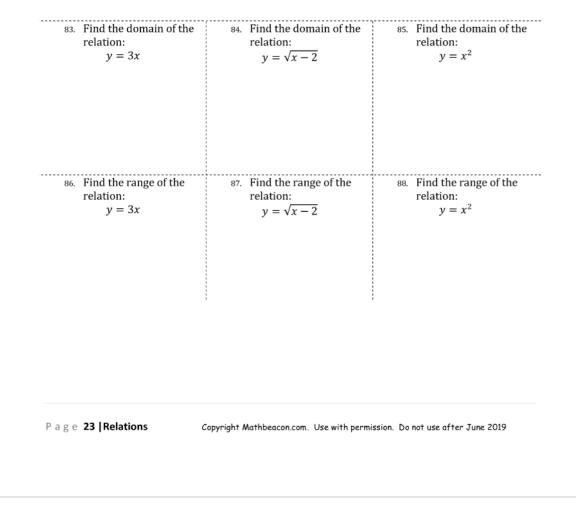
82. In your own words, describe the different ways a relation may look due to restrictions on the domain.

# Finding the domain and range of an equation.

Becoming more familiar with the equation of particular relations (assuming there is one) allows you to quickly determine the domain or range.

Possible Strategies:

- Visualize the graph from memory (or actually plot it).
- Consider possible restrictions based on the equation. For example,  $y = \sqrt{x}$  has a domain  $x \ge 0$  because all negative values of x produce a "not real" output.



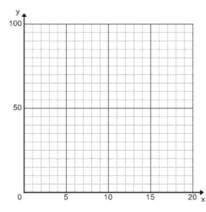
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FMPC 10

89. Challenge Question:

Consider the various ways graphs look because of the restrictions on their domain before you answer the following question.

Use the equation C = 10n to graph the cost, C, of a family with 'n' people to go to the movies.



90. Challenge Question: Find a reasonable domain for the function above.

Find a reasonable range for the function above.

Some notes here...

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