

## Patterns, Expressions, and Graphing (on the Cartesian Plane) Unit Review

### 1. Expressions from Tables

- Remember to find the change in the table on both sides, this will give your coefficient
- Find the initial value by finding when  $x = 0$
- Make an expression (multiples times by your variable)

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- Page 45 # 8
- Page 29 #6,8

### 2. Completing a table of values (Input Output)

- Remember to show your substitution with brackets
- Show all your math steps (BEDMAS)

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### 3. Graphing when given the ordered pairs.

- Remember ordered pairs are always  $(x,y)$  ...Horizontal, vertical
  - Worksheet 11.15 Graphing Ordered Pairs #11-20

### 4. Giving the ordered pairs when given the graphed points.

- Worksheet 11.15 Graphing Ordered Pairs #1-10

### 5. Graphing from a table of values

- Complete your table of values (substitution and BEDMAS)
- Make your ordered pairs (Input is  $x$ , output is  $y$ )
- Make your scale and label your axes
- Graph
  - Try graphing your tables from Page 44 #7 You should end up with straight line graphs.

### 6. Graphing Word Problem \*Extending Question\*

- Write down the important stuff and what we want to know
- Make a let statement for your variables.
- Make your equation.
- Create a table of values.
- Draw your graph.
- Answer any questions.
- Write your final answer as a sentence.

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- Page 126 #6