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| **Comparing Linear Patterns** |
| Represents linear patterns in different forms“I can represent this linear pattern with a table of values, graph, or pattern rule. The pattern rule for this pattern is 2*n* + 1.” | Uses constant rate and initial value to match graphs and pattern rulesWhich graph represents 2*x* and which represents 2*x*+ 4?“I know the graph of 2*x* will begin at (0, 0) and the graph of 2*x*+ 4 will begin at (0, 4). For both, every time you move right 1 you move up 2. The blue line represents 2*x* and the green line represents 2*x* + 4.”  | Compares linear patterns by graphing themPattern APattern B: 2*x* + 2“I graphed both patterns.They have different initial values but the same constant rate, 2. Pattern A is a series of points, the points in Pattern B can be joined with a line.” | Predicts how changes to an expression will affect its graphThis graph shows the pattern 2*x* + 2.How will the graph of 2*x* + 4 compare to this? How will the graph of 5*x* + 2 compare?“The graph of 2*x* + 4 will look just like this but shifted up 2 units. The graph of 5*x* + 2 will start at the same point but be much steeper.”  |

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| **Observations/Documentation** |
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