**Patterning & Graphing Investigation**

***Pattern #1: 5, 9, 13***

Step 1: create a table of values using our term numbers as the x- values and the term values as the y-values.

Step 2: determine the pattern number and fill in the next 3 values of your chart

Step 3: plot these values on your graph paper

|  |  |
| --- | --- |
| **Term Number (X)** | **Term Value (Y)** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

***Pattern #2: -3, -7, -11 …***

Step 1: create a table of values using our term numbers as the x- values and the term values as the y-values.

Step 2: determine the pattern number and fill in the next 3 values of your chart

Step 3: plot these values on your graph paper

|  |  |
| --- | --- |
| **Term Number (X)** | **Term Value (Y)** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

***Pattern #3: 10, 7, 4 …***

Step 1: create a table of values using our term numbers as the x- values and the term values as the y-values.

Step 2: determine the pattern number and fill in the next 3 values of your chart

Step 3: plot these values on your graph paper

|  |  |
| --- | --- |
| **Term Number (X)** | **Term Value (Y)** |
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|  |  |
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|  |  |

***Pattern #4: -9, -3, 3 …***

Step 1: create a table of values using our term numbers as the x- values and the term values as the y-values.

Step 2: determine the pattern number and fill in the next 3 values of your chart

Step 3: plot these values on your graph paper

|  |  |
| --- | --- |
| **Term Number (X)** | **Term Value (Y)** |
|  |  |
|  |  |
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