Growth Patterns, Position-Term

Pattern #1

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| Continue building this pattern to the 5th term. Draw a picture to represent the sequence.Draw a diagram of the 20th term.  |
| Make a table of numeric expressions for each term. Write numeric expressions to represent the 20th term. |

Pattern #2

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| Continue building this pattern to the 5th term. Draw a picture to represent the sequence.Draw a diagram of the 20th term.  |
| Make a table of numeric expressions for each term. Write numeric expressions to represent the 20th term. |

What is different about these patterns? What is the same about these patterns?

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Pattern #3

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| Continue building this pattern to the 5th term. Draw a picture to represent the sequence.Draw a diagram of the 20th term.    |
| Make a table of numeric expressions for each term. Write numeric expressions to represent the 20th term. |

Pattern #4

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| Continue building this pattern to the 5th term. Draw a picture to represent the sequence.Draw a diagram of the 20th term.  |
| Make a table of numeric expressions for each term. Write numeric expressions to represent the 20th term. |

What is different about these patterns? What is the same about these patterns?

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Directions:

Graph Pattern #1 and Pattern #2 . Connect the discrete points with a continuous line.

Graph Pattern #3 and Pattern #4. In a different color, connect the discrete points with a line.

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Compare the graphs of these sequences.

What do you notice? Why do you think this is true?

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