Name: April 1-5 Teacher: Anders

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| **Monday** | **Tuesday** |
| If the function goes through the point, then the function must go through what point? | The function is reflected across the x-axis. What is the equation of the new function? |
| Use the arithmetic recursive rule to find the first five terms: | Write a recursive formula for the sequence. 2, 6, 18, … |
| Is this sequence arithmetic? If so, what is the common difference? If not, why not? | Write an explicit formula for the sequence. 4, 8, 16, …  |
| Find the common difference and the next three terms of the arithmetic sequence: | Use the recursive geometric rule to find the first four terms: |
| Use the arithmetic explicit rule to find the first five terms: | Use the explicit geometric rule to find the first four terms: |
| Use the arithmetic recursive rule to find the first five terms: | Use the recursive geometric rule to find the first four terms: |
| Write a recursive formula for the sequence. 1, 6, 11, 16, … | The number of infected zombies triples every hour. Write an explicit rule if there are 3 zombies in the first hour. Use your rule to find the number of zombies after 15 hours.  |
| Write an explicit formula for the sequence.  |

Wednesday

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| The function is shifted left 8 units and down 2 units. What is the equation of the new function? | If the function goes through the point, then the function must go through what point? | Write a formula for the sequence. |
| Convert the following explicit geometric rule into a recursive rule: | Convert the arithmetic recursive rule into an explicit rule. |
| Convert the following recursive geometric rule to an explicit rule: | Convert the explicit arithmetic formula into a recursive format. |

Thursday

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| For each sequence below, write an explicit function. THEN, find the 50th term.  |
| 2, 6, 18, 54 …. | 2, 6, 10, 14, … |
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