| Name: Woods | | Grading Quarter: 3 | Week Beginning: 2/10/25 |
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| School Year: 24-25 | | Subject: Algebra 2 | |
| Monday | Notes: | Objective: Students will be able to solve geometric series.<br><br>Lesson Overview:<br>Make the connection between geometric sequences and exponential functions. Discuss common ratio, initial value, and growth/decay situations. | Academic Standards:<br><br>A.SSE.4 Write expressions in equivalent forms to solve problems. Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems |
| Tuesday | Notes: | Objective: Students will be able to solve geometric series.<br><br>Lesson Overview:<br>*This is a continuation of previous day's lesson.* | Academic Standards:<br><br>A.SSE.4 Write expressions in equivalent forms to solve problems. Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems |
| Wednesday | Notes: | Objective: Students will be able to solve geometric series.<br><br>Lesson Overview:<br>Khan Academy Practice | Academic Standards:<br><br>A.SSE.4 Write expressions in equivalent forms to solve problems. Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems |
| Thursday | Notes: | Objective: Students will be able to apply exponential problems to real-world models.<br><br>Lesson Overview:<br>Use workbook examples to show how exponentials apply to real-world growth and decay models. Use technology to solve and approximate solutions. | Academic Standards:<br><br>A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. |
| Friday | Notes: | No school | |