| Name: Woods | Grading Quarter: 3 | Week Beginning: 2/19/24 |
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| School Year: 23-24 | Subject: AP Calc BC | |

| | Notes: | | Academic Standards: |
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| **Monday** | | No school | |
| **Tuesday** | Notes: | Objective: Students will be able to determine the convergence or divergence of series.<br><br>Lesson Overview:<br>Notes: Series tests for nth term, integral test, and p-series. After direct instruction, students will work problems out collaboratively on the front whiteboard. | Academic Standards:<br><br>10.3 The nth Term Test for Divergence 3.D Apply an appropriate mathematical definition, theorem, or test.<br>10.4 Integral Test for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test.<br>10.5 Harmonic Series and p-Series 3.B Identify an appropriate mathematical definition, theorem, or test to apply |
| **Wednesday** | Notes: | Objective: Students will be able to determine the convergence or divergence of series.<br><br>Lesson Overview:<br>Notes: Comparison Tests (DCT)<br>Use common p-series and harmonic series to create inequalities needed for comparison. Show when convergence is possible and when divergence is possible. | Academic Standards:<br><br>10.6 Comparison Tests for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test. |
| **Thursday** | Notes: | Objective: Students will be able to determine the convergence or divergence of series.<br><br>Lesson Overview:<br>Notes: Comparison Tests (LCT)<br>Use common p-series and harmonic series to create inequalities needed for comparison. Show when convergence is possible and when divergence is possible. | Academic Standards:<br><br>10.6 Comparison Tests for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test. |

| | Notes: | Objective: Students will be able to determine the convergence or divergence of series.<br><br>8.1-8.3 Assessment | Academic Standards:<br><br>10.3 The nth Term Test for Divergence 3.D Apply an appropriate mathematical definition, theorem, or test.<br>10.4 Integral Test for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test.<br>10.5 Harmonic Series and p-Series 3.B Identify an appropriate mathematical definition, theorem, or test to apply |
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| Friday | | | |