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| Lesson Plans for Algebra II | | | | | |
| **Week Beginning:**  **Jan. 7** | **Quarter: 3** | | | **Periods: 2, 3, 8** | |
| **Topic** | **Strategies** | **Time** | **Assessments** | **Standards/Benchmarks** |
| **Monday** | 5.7 Analyzing Graphs of Quadratic Functions | Discussion/ Lecture/ Active Learning | 30-40 | p. 290-292  14-16, 21-24, 27-28, 30, 33-35, 41-42, 50, 54, 59-60 | 9-12.A.3.1A |
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| **Tuesday** | Finish 5.7 |  |  |  |  |
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| **Wednesday** | 6.1 Properties of Exponents | Discussion/ Lecture/ Active Learning | 35-45 | p. 316-318  11-13, 16-17, 19-20, 22-23, 26, 31-32, 36, 40, 43, 47-48 | 9-12.A.1.1 |
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| **Thursday** | Finish 6.1 |  |  |  |  |
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| **Friday** | 6.2 Operations with Polynomials | Discussion/ Lecture/ Active Learning | 30-40 | p. 322-324  15-24, 27-30, 36, 43, 51, 53, 57-58, 75-78 | 9-12.A.1.1 |
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| Lesson Plans for Pre-Calculus | | | | | |
| **Week Beginning:**  **Jan. 7** | **Quarter: 3** | | | **Periods: 6, 7** | |
| **Topic** | **Strategies** | **Time** | **Assessments** | **Standards/Benchmarks** |
| **Monday** | Finish 6.4 |  |  | p. 373-377  17-18, 21-22, 24-25, 27, 33-34, 36-37, 41-43, 47, 49-54, 56-57, 59, 73 | 9-12.A.4.5A |
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| **Tuesday** | 6.5 Translations of Sine and Cosine Functions | Discussion/ Lecture/ Active Learning | 30-40 | p. 383-386 14-15, 17-18, 21-23, 27-29, 31-32, 34-35, 41, 43, 54 | 9-12.A.4.4A |
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| **Wednesday** | Finish 6.5 |  |  |  |  |
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| **Thursday** | 6.6 Modeling Real-World Date with Sinusoidal Functions | Discussion/ Lecture/ Active Learning | 30-40 | p. 391-394  7-19, 21-23, 28 | 9-12.A.3.2A |
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| **Friday** | Finish 6.6 |  |  |  |  |
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| Lesson Plans for Calculus | | | | | |
| **Week Beginning:**  **Jan. 7** | **Quarter: 3** | | | **Period: 1** | |
| **Topic** | **Strategies** | **Time** | **Assessments** | **Standards/Benchmarks** |
| **Monday** | 3.1 Linear Approximations and Newton’s Method | Discussion/ Lecture/ Active Learning | 35-45 | p. 251-253  1-5 odd, 9, 13, 15, 21-31 odd, 35-39 odd, 63 | No state standards for Calculus |
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| **Tuesday** | Finish 3.1 |  |  |  |  |
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| **Wednesday** | 3.2 Indeterminate Forms and L’Hopital’s Rule | Discussion/ Lecture/ Active Learning | 35-45 | p.263-264  1-6, 9-17 odd, 21, 23, 39-42 |  |
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| **Thursday** | Finish 3.2 |  |  |  |  |
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| **Friday** | 3.3 Maximum and Minimum Values | Discussion/ Lecture/ Active Learning | 40-45 | p. 274-276  1-25 odd, 31-43 odd, 47-50, 65 | No state standards for Calculus |
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