Unit 1 More Applications of Integrals

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|  | Topic | Assignments |
| Day 1Tues 1/21 | 6.1 and 6.2Review Area and Volume | Problem Set |
| Wed 1/22 | Teacher Workday  | No School |
| Day 2Thurs 1/23 | 6.3 Shell Method for Volume | Section 6.3 pp.434-435 #7 – 13 odd, 19 – 25 odd, 33 |
| Day 3Fri 1/24 | 6.4 Arc Length and Surface Area | Section 6.4 p.444 #5,7,9,35 – 43 odd, 63-65 |
| Day 4Mon 1/27 | Quiz |  |
| Day 5Tues 1/28 | 7.7 Indeterminate Limit forms | p.511 #7 – 39 every other odd, 44, 46, 58, 60, 79 |
| Day 6Wed 1/29 | 7.7 More indeterminate Limit forms | p.511 #47 – 56 all, 81, 82 |
| Day 7Thurs 1/30 | 7.8 Improper Integrals | p.522 #1, 5, 9, 23, 27, 31, 35, 39, 45 |
|  | Direct Comparison test for convergence | Gabriel’s Horn Worksheetp. 523 #57 – 62  |
| Day 9Fri 1/31  | Review | p. 448 # 23, 24, 35, 36, 42, 43p.522 #11, 17, 19, 37p.527 #67,69 - 75 odd, 77 – 83 odd |
| Day 10Mon 2/3 | Test | Problem Set  |

