

AP Calculus BC
Assignments for Chapter 8 Techniques of Integration

| Number | Due Date | Your Responsibilities |
|---------------|-----------------------|--|
| 69 | Monday 1/8 | Read lesson 8.1 Integration by Parts P516: 1, 3, 7, 10, 13, 21, 25, 33, 45, 55, 57, 63 |
| 70 | Tuesday 1/9 | Review lesson 8.1 Integration by Parts Read lesson 8.2 Trig Integrals P516: 15, 30, 36 P524: 1, 5, 7, 12, 17, 21, 23, 26, 33, 37, 51 |
| 71 | Wednesday 1/10 | Review lesson 8.2 Trig Integrals Read lesson 8.3 Trig Substitution P524: 9, 24, 29, 59, 61 P530: 1, 2, 3, 9 |
| 72 | Thursday 1/11 | Review lesson 8.3 Trig Substitution P530: 4, 8, 11, 19, 20, 23 |
| 73 | Friday 1/12 | Review lesson 8.3 Trig Substitution Read lesson 8.4 Partial Fractions P530: 26, 29, 33 P540: 1, 3, 9, 11 |
| 74 | Tuesday 1/16 | Review lesson 8.4 Partial Fractions P540: 12, 13, 16, 17, 25, 39, 60 |
| | Wednesday 1/17 | Final Exam 2 pm |
| 75 | Monday 1/22 | Review lesson 8.4 Partial Fractions Read lesson 8.5 Integration Strategies P540: 8, 10, 15, 18, 19, 30, 61 P546: 2, 3, 16, 17, 18, 25 |
| 76 | Tuesday 1/23 | Review lesson 8.5 Integration Strategies P546: 4, 5, 9, 13, 19, 22, 33, 51, 52, 63, 66, 71 |
| 77 | Wednesday 1/24 | Read lesson 8.7 Approximate Integration P563: 1, 3, 7ab, 13ab, 19, 29ab, 31 |
| | Thursday 1/25 | Test #1 on Techniques of Integration |
| 78 | Friday 1/26 | Review lesson 8.7 Approximate Integration P563: 2, 8ab, 17ab, 23abcde, 25, 42 |
| 79 | Monday 1/29 | Review lesson 8.7 Simpson's Rule P563: 21, 27, 29c, 30, 33, 35, 37, 38 |
| 80 | Tuesday 1/30 | Read lesson 8.8 Improper Integrals P573: 1, 3, 5, 9, 13, 15, 17, 21, 25, 27, 39, 67 |
| 81 | Wednesday 1/31 | Review lesson 8.8 Improper Integrals P573: 2, 14, 24, 29, 32, 36, 37, 49, 51, 57, 63, 70 |
| 82 | Thursday 2/1 | Read lesson 9.1 Arc Length P588: 1, 5, 6, 10, 12, 14, 17, 21, 27, 29, 35 |
| 83 | Friday 2/2 | Read lesson 9.2 Surface Area P595: 1, 3, 5, 8, 10, 13, 17, 21, 25, 34 |
| | Monday 2/5 | Test #2 on Chapter 8 + 9.1, 9.2 |