

Text: Algebra and Trigonometry with Analytic Geometry by Swokowski / Cole, Classic Eleventh Edition, Brooks / Cole (2005).

**Calculators are required, and only single line, scientific, non-programmable, non-graphing ones are allowed for quizzes and exams.** Calculators may be used for all problems below except those where you are asked to find an exact value or where calculators are explicitly forbidden. All homework should be written clearly with sufficient work shown to justify your answer.

| <u>Lessons</u> | <u>Sections</u> | <u>Assignments (front and back)</u>                                                                                   |
|----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|
| 1              | 1.1-2           | p13: 2, 5, 8, 9, 12; p25: 3, 4, 6, 12, 13, 15, 20, 23, 24                                                             |
| 2              | 1.2             | p25: 7, 8, 25, 27, 31, 32, 36, 37, 41, 51, 54, 58, 62, 64, 65, 67, 68,<br>78, 86, 87, 95                              |
| 3              | 1.3             | p39: 3, 6, 12, 15, 18, 22, 23, 29, 33, 38, 40, 46, 54, 55, 57, 59, 62, 68,<br>70, 71, 72, 76, 77, 79, 81, 94, 99, 102 |
| 4              | 1.4             | p47: 4, 5, 10, 13, 17, 20, 22, 26, 33, 34, 37, 41, 43, 46, 49, 50, 55                                                 |
| 5              | 2.1             | p60: 6, 12, 22, 30, 31, 37, 40, 44, 51, 59, 61, 70, 74                                                                |
| 6              | 2.2             | p70: 1, 4, 8, 9, 10, 11, 12, 14, 16, 17, 19, 20, 21                                                                   |
| 7              | 2.2-3           | p71: 25, 26, 27, 29, 31, 32, 33; p84: 2, 5, 11, 14, 16, 20, 21, 26, 27,<br>28                                         |
| <b>June 24</b> |                 | <b>In –class review for Exam 1</b>                                                                                    |
| <b>June 25</b> |                 | <b>Exam 1 (during class)</b>                                                                                          |
| 8              | 2.3             | p84: 35, 36, 39, 52, 54, 57, 58, 59, 60, 63, 64, 65, 66, 70, 71, 73                                                   |
| 9              | 2.4             | p93: 4, 5, 11, 15, 18, 19, 22, 29, 37, 39, 42, 45, 51, 53                                                             |
| 10             | 2.5             | p100: 3, 4, 13, 19, 24, 25, 35, 38, 52, 58, 66                                                                        |
| 11             | 2.6             | p109: 2, 3, 4, 7, 8, 14, 17, 22, 29, 47, 49, 51, 54, 55, 57, 63, 75, 77,<br>78, 83                                    |
| 12             | 3.1             | p128: 2, 6, 7, 10, 14, 15, 19, 22, 25, 29                                                                             |
| 13             | 3.2             | p138: 4, 7, 12, 17, 25, 32, 34, 36, 39, 43, 46, 50, 51, 57, 61, 63, 70                                                |
| 14             | 3.3             | p151: 2, 14, 15, 19, 22, 24, 27, 29, 32, 33, 36, 38, 39, 43, 45, 49, 57,<br>58, 62, 66                                |
| 15             | 3.4             | p167: 1, 4, 6, 9, 10, 11, 12, 13, 19, 20, 21, 25, 27, 28, 29                                                          |
| <b>July 9</b>  |                 | <b>In-class review for Exam 2</b>                                                                                     |
| <b>July 10</b> |                 | <b>Exam 2 (during class)</b>                                                                                          |

**OVER**

|                 |          |                                                                                                       |
|-----------------|----------|-------------------------------------------------------------------------------------------------------|
| 16              | 3.4      | p168: 40, 41, 45, 47, 49, 54, 65, 67, 68, 71, 73, 76                                                  |
| 17              | 3.5      | p181: 4, 6, 10, 13, 14, 16, 23, 27, 29, 31, 32, 33, 35, 38, 39,<br>42 <i>abcdefghij</i> ,             |
| 18              | 3.5      | p182: 43, 46, 63 <i>abcdef</i> , 64 <i>abcdef</i> , 47, 50, 52, 65, 66, 67, 68                        |
| 19              | 3.6      | p192: 7, 10, 14, 16, 21, 24, 26, 29, 32, 33, 41, 45, 46, 47, 51                                       |
| 20              | 3.7, 4.6 | p203: 1, 2, 10, 13, 15, 18, 35, 37, 45, 47, 49; p270: 3, 8, 12, 14, 15, 16,<br>17, 24; p274: 49       |
| 21              | 2.7      | p117: 2, 3, 7, 10, 13, 17, 25, 27, 31, 44, 45                                                         |
| 22              | 4.1      | p219: 2, 13, 17, 20, 21, 22, 29, 35, 41                                                               |
| 23              | 9.1      | p570: 2, 4, 7, 13, 18, 20, 23, 39, 40                                                                 |
| 24              | 9.2      | p579: 2, 5, 10, 14, 15, 16, 17, 21, 24, 29, 31, 32, 34                                                |
| <b>July 24</b>  |          | <b>In-class review for Exam 3</b>                                                                     |
| <b>July 27</b>  |          | <b>Exam 3 (during class)</b>                                                                          |
| 25              | 5.1      | p285: 3, 8, 11, 25, 28, 29, 30, 31, 32, 35, 45, 46                                                    |
| 26              | 5.2-3    | p296: 2, 7, 11, 17, 29, 41, 42, 46; p306: 1, 2, 5, 8, 13, 15                                          |
| 27              | 5.4      | p318: 1, 2, 3, 4, 15, 18, 20, 22, 25, 27, 28, 35 <i>abcdefghi</i> , 45, 47, 48,<br>51, 57, 63, 64, 66 |
| 28              | 5.5      | p328: 1, 4, 6, 7, 10, 11, 13, 14, 15, 18, 22, 25, 27, 31, 43, 46, 53                                  |
| 29              | 5.6      | p339: 2, 5, 9, 12, 18, 25, 45, 51, 52, 56                                                             |
| <b>August 4</b> |          | <b>Review for final exam</b>                                                                          |

**Final exam either on August 5<sup>th</sup> , 6<sup>th</sup> , or 7<sup>th</sup> – Date, time, and location to be announced**

**The website for this course is available at the following URL:**

**<http://www.math.purdue.edu/MA15300>**

**Among the useful information that you will find are the even answers to homework problems (odd answers are in the back of the textbook), old exams/answers, etc.**