

Text: College Algebra by Gustafson and Frisk, 8th edition, Brooks/Cole (2004).

A calculator which has square roots, exponential and logarithmic functions is required. 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 | 0.1 | p13: 4,6,10,12,14,16,18,20,21,23,24,26,28,30,32,34 |
| 2 | 0.1 | p14: 47,50,66,67,70,72,78,82,85,88,90,91,93 |
| 3 | 0.2 | p24: 1,3,7,8,10,12,14,16,20,21,23,26,30,40,48,57,68,76,82,87,88 |
| 4 | 0.2 | p26: 95,98,101,104,108,112,115,118,119 |
| | 0.3 | p36: 5, 12, 14, 16, 23, 24, 30, 33 |
| 5 | 0.3 | p37: 39,50,52,53,59,68,71,81,83,84,86,95,100 |
| 6 | 0.4 | p47: 1,2,3,14,15,21,28,32,43,46,47, 50,54,56,64,79 |
| 7 | 0.4 | p48: 81,84,88 |
| | 0.5 | p56: 1,2,4,6,11,14,18,27,30,31,33,40,44 |
| 8 | 0.5 | p57: 46,49, 51, 54, 56,59,61,64,66,67,71,126,128,129 |
| 9 | 0.6 | p66: 1,2,3,4,6,7,17,22,25,31,34,39,53,57,62,64,82,85,97,109,110 |

EXAM #1 WEDNESDAY, FEBRUARY 1st at 8:30 PM in ELLIOTT HALL OF MUSIC

| | | |
|----|-----|---|
| 10 | 1.1 | p86: 2,4,5,8, 17, 18 ,19,20, 21 , 26,28,29,32,38, 43 ,50,57,60, 72 ,96,98 |
| 11 | 1.2 | p94: 2,6,9,11, 12 ,13,16, 18 ,19,20, 21,22,25 |
| 12 | 1.2 | p95: 28, 29 ,30,32,35,36, 43,45,46 ,49, 50 ,57,58 |
| 13 | 1.3 | p106: 1,3,8,9, 10,16 ,23, 24,26 ,28,31,40,42, 48 |
| 14 | 1.3 | p107: 52, 55,58,60 ,74,76,78,80, 85 ,90,95,98,110 |
| | 1.4 | p112: 3,6 |
| 15 | 1.4 | p113: 11, 12 ,16, 19,20,28 ,30, 38 ,42 |
| 16 | 1.5 | p123: 1,2,4,5,14, 16, 18,20,22,23,25,33 ,38,40,45,48,50,74,76,86 |
| 17 | 1.6 | p130: 4,6,7, 11 ,20, 25 ,26, 28,30,32 ,61,63 |
| 18 | 1.7 | p140: 14, 16 ,21, 24 ,28,30, 31 ,86,87 |
| | 1.8 | p148: 45,46, 50 ,56, 79 ,80 |
| 19 | 2.1 | p173: 2,5,8,10,18, 24 ,32,33, 38 ,41,46,51, 63 ,70,76,80,81,92, 97,98 |
| 20 | 2.2 | p185: 1,2,6,7,8,10,12,13, 16, 23 ,32,34,35,36,38,40,42,48,60,64, 71,73 ,81 |
| | 2.3 | p197: 8 ,10 |

EXAM #2 THURSDAY, MARCH 2nd at 8:30 PM in ELLIOTT HALL OF MUSIC

| | | |
|----|-----|--|
| 21 | 2.3 | p197: 18, 20,30 ,31, 42 ,45,52,60,68,82, 84 ,95, 98 ,110,116 |
| 22 | 2.4 | p213: 1,2,4,5,6, 15 , 23, 25,31 ,32,43,49, 51,53 ,54,91,92,100 |
| 23 | 2.5 | p223: 1,2,6,7,9, 15,16,18 ,19, 21,22 ,24,25,26,31,32,34,37,47,48 |
| 24 | 3.1 | p245: 1,3,4,5,9,16,18,20,25,28,29, 35,40,46 ,55,56,57,61,83, 84,86 ,98 |
| 25 | 3.3 | p265: 1,4,5,7,11,15, 35,38,39 ,40,47, 48 ,54,59,60 |
| 26 | 3.6 | p303: 19 ,20,21,23,24,25,36,37, 39 ,40, 51,55,56 ,64,65,68,75 |
| 27 | 3.7 | p311: 1,2,3,4,6,8,10,14,16, 27 ,30, 31 ,33, 51 ,53, 56(2 parts) ,63,66 |
| 28 | 4.1 | p333: 23,25,33,34, 35 ,36,74, 75,78 |
| | 4.2 | p340: 8,11 ,15,16,18,19,30,31 |
| 29 | 4.3 | p350: 1,2,3,7,17,22,26,30, 33 ,38, 40 ,44,45, 54,64,69 ,72,73,82,85 |
| 30 | 4.4 | p356: 8,13,14,15,17 ,18,22,24,35,36,38 |
| 31 | 4.5 | p365: 1,2,6,11,12, 13,15 ,27,31, 34,40 ,41,66,68,72, 86 ,88 |
| 32 | 4.6 | p373: 1,2, 5 ,10,12,30,40, 41,45,49 ,50, 51 ,66 (formula on p330) |
| 33 | 6.1 | p432: 4,7,11,12, 16,22 ,24, 31,34 ,38,39, 40 |
| 34 | 6.1 | p433: 14,25,27 , (review)64,65, 66,70 ,71,72,88,89,90 |
| 35 | 2.4 | p214: 7,8,9,10,66,67,73,76,77 |
| | 7.1 | p523: 11,14,15 ,18,19, 51,52 |
| 36 | 3.2 | p254: 3,25, 26,29 ,30, 33 |
| | 7.1 | p523: 30,31,35, 37,40 , 43 , 55 standard equation of vertical parabola: $y - k = a(x - h)^2$ |

Note the time for exam 3:

EXAM #3 TUESDAY, APRIL 18th at 6:30 PM in ELLIOTT HALL OF MUSIC

| | | |
|----|-----|---|
| 37 | 9.1 | p635: 15 ,18,20,22,24,25,28,30, 31,32,36,40,42 ,48 |
| 38 | 9.2 | p640: 1,2,3, 7,8,11 ,14, 16 ,18,19, 20 ,22,35,36 |
| 39 | 9.2 | p641: 24,25,26,28,29,30,31,32,37,38 |
| 40 | 9.3 | p646: 1,2,5,6,7,9,10,12,15,16,24,25,26 |

Review for final exam

There is a two-hour final during finals week.

The website for this course is available at the following address:

<http://www.math.purdue.edu/MA152>