

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, <b>21</b> ,23,24, <b>27,28,30,32</b> ,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
Note: Math 152 will meet in computer labs (ENAD 135/138) on Monday, August 28 <sup>th</sup> .		
4	0.2	p26: 95,98,101, <b>105</b> ,108,112,115,118, <b>120</b>
	0.3	p36: 5, <b>13</b> , 14, 16, <b>21</b> ,23, 24, 30, <b>33</b>
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, <b>31</b> ,34, <b>38</b> ,53, <b>57</b> ,62, <b>63</b> ,82, <b>85</b> ,97,109,110
10	1.1	p86: 2,4,5,8, <b>17</b> , <b>18</b> ,19,20, <b>21</b> , 26,28,29,32,38, <b>43</b> ,50,57,60, <b>72</b> ,96,98
11	1.2	p94: 2,6,9,11, <b>12</b> ,13,16, <b>18</b> ,19,20, <b>21</b> , <b>22</b> , <b>25</b>

EXAM #1 TUESDAY, SEPTEMBER 19<sup>th</sup> at 7:00 PM in ELLIOTT HALL OF MUSIC

12	1.2	p95: 28, <b>29</b> ,30,32,35,36, <b>43,45,46</b> ,49, <b>50</b> ,57,58
13	1.3	p106: 1,3,8,9, <b>10,16</b> ,23, <b>24,26</b> ,28,31,40,42, <b>48</b>
14	1.3	p107: 52, <b>55,58,60</b> ,74,76,78,80, <b>85</b> ,90,95,98,110
	1.4	p112: <b>3,6</b>
15	1.4	p113: 11, <b>12</b> ,16, <b>19,20,28</b> ,30, <b>38</b> ,42
16	1.5	p123: 1,2,4,5,14, 16, <b>18,20,22,23,25,33</b> ,38,40,45,48,50,74,76,86
17	1.6	p130: 4,6,7, <b>11</b> ,20, <b>25</b> ,26, <b>28,30,32</b> ,61,63
18	1.7	p140: 14, <b>16</b> ,21, <b>24</b> ,28,30, <b>31</b> ,86,87
	1.8	p148: 45,46, <b>50</b> ,56, <b>79</b> ,80
19	2.1	p173: 2,5,8,10,18, <b>24</b> ,32,33, <b>38</b> ,41,46,51, <b>63</b> ,70,76,80,81,92, <b>97,98</b>
20	2.2	p185: 1,2,6,7,8,10,12,13, <b>16</b> , <b>23</b> ,32,34,35,36,38,40,42,48,60,64, <b>71,73</b> ,81
	2.3	p197: <b>8</b> ,10
21	2.3	p197: 18, <b>20,30</b> ,31, <b>42</b> ,45,52,60,68,82, <b>84</b> ,95, <b>98</b> ,110,116
22	2.4	p213: 1,2,4,5,6, <b>15</b> , 23, <b>25,31</b> ,32,43,49, <b>51,53</b> ,54,91,92,100

EXAM #2 WEDNESDAY, OCTOBER 18<sup>th</sup> at 8:30 PM in ELLIOTT HALL OF MUSIC

23	2.5	p223: 1,2,6,7,9, <b>15,16,18</b> ,19, <b>21,22</b> ,24,25,26,31,32,34,37,47,48
24	3.1	p245: 1,3,4,5,9,16,18,20,25,28,29, <b>35,40,46</b> ,55,56,57,61,83, <b>84,86</b> ,98
25	3.3	p265: <b>1</b> ,4,5,7,11,15, <b>35,38,39</b> ,40,47, <b>48</b> ,54,59,60
26	3.6	p303: <b>19</b> ,20,21,23,24,25,36,37, <b>39</b> ,40, <b>51,55,56</b> ,64,65,68,75
27	3.7	p311: 1,2,3,4,6,8,10,14,16, <b>27</b> ,30, <b>31</b> ,33, <b>51</b> ,53, <b>56(2 parts)</b> ,63,66
28	4.1	p333: 23,25,33,34, <b>35</b> ,36,74, <b>75,78</b>
	4.2	p340: <b>8,11</b> ,15,16,18,19,30,31
29	4.3	p350: 1,2,3,7,17,22,26,30, <b>33</b> ,38, <b>40</b> ,44,45, <b>54,64,69</b> ,72,73,82,85
30	4.4	p356: <b>8,13,14,15,17</b> ,18,22,24,35,36,38
31	4.5	p365: 1,2,6,11,12, <b>13,15</b> ,27,31, <b>34,40</b> ,41,66,68,72, <b>86</b> ,88
32	4.6	p373: 1,2, <b>5</b> ,10,12,30,40, <b>41,45,49</b> ,50, <b>51</b> ,66 (formula on p330)
33	6.1	p432: 4,7,11,12, <b>16,22</b> ,24, <b>31,34</b> ,38,39, <b>40</b>
34	6.1	p433: <b>14,25,27</b> , (review)64,65, <b>66,70</b> ,71,72,88,89,90
35	2.4	p214: 7,8,9,10,66,67,73,76,77
	7.1	p523: <b>11,14,15</b> ,18,19, <b>51,52</b>

*Note the day and time for Exam 3:*

EXAM #3 MONDAY, NOVEMBER 20<sup>th</sup> at 6:30 PM in ELLIOTT HALL OF MUSIC

36	3.2	p254: 3,25, <b>26,29</b> ,30, <b>33</b>
	7.1	p523: 30,31,35, <b>37,40</b> , <b>43</b> , 55 standard equation of vertical parabola: $y - k = a(x - h)^2$
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>