

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 THURSDAY, SEPTEMBER 15<sup>th</sup> at 8:30 PM in ELLIOTT HALL OF MUSIC

10	1.1	p86: 2,4,5,8, <b>17, 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>21,22,25</b>
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>50,56,79</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, 23</b> ,32,34,35,36,38,40,42,48,60,64, <b>71,73</b> ,81
	2.3	p197: <b>8,10</b>
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 THURSDAY OCTOBER 20<sup>th</sup> at 8:30 P.M. 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>1,4,5,7,11,15,35,38,39</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>51,56(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>

EXAM #3 THURSDAY NOVEMBER 17<sup>th</sup> at 8:30 P.M. in ELLIOTT HALL OF MUSIC

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>
36	3.2	p254: 3,25, <b>26,29</b> ,30, <b>33</b>
	7.1	p523: 30,31,35, <b>37</b> ,40, <b>43</b> , 55
		standard equation of vertical parabola: $y - k = a(x - h)^2$
37	9.1	p635: <b>15</b> ,18,20,22,24,25,28,30, <b>31</b> ,32, <b>36,40,42</b> ,48
38	9.2	p640: 1,2,3, <b>7,8,11</b> ,14, <b>16</b> ,18,19, <b>20</b> ,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>