

Text: College Algebra, Custom Edition for Purdue University, Thomson.

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	p11: 4,6,10,12,14,16,18,20, <b>21</b> ,23,24, <b>27,28,30,32</b> ,34
2	0.1	p12: 45,50,66,67,70,72,78,82,85,88,90,91,93
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: On Monday, August 27 <sup>th</sup> MA 152 will meet in a computer lab (ENAD 135/138).		
4	0.2	p25: 95, <b>97,100,105</b> ,108,112, <b>115</b> ,118, <b>120</b>
	0.3	p36: 5, 13, 14, 16,21,23, 24, 30, 33
5	0.3	p36: 39,50,52,53,59,68,71,81,83,84,86,95,100
6	0.4	p46: 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	p57: 1,2,4,6,11,14,18,27,30,31,33,40,44
8	0.5	p57: 46,49, 51, 54, 56,59,61,64,66,67,71,128,129
9	0.6	p66: 1,2,3,4,6,7,17,22,25, <b>31,35,38</b> ,53, <b>57</b> ,62, <b>63</b> ,82,84,85,109,110
10	1.1	p87: 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	p95: 2,6,9,11, <b>12</b> ,13,16, <b>18</b> ,19,20, <b>21,22,25</b>

### Exam 1 Tuesday, September 18<sup>th</sup> at 8:30 PM in Elliott Hall of Music

12	1.2	p96: 28, <b>29</b> ,34,39,40, <b>51,53,54</b> ,57, <b>58</b> ,65,66
13	1.3	p108: 1,3,8,9, <b>10,16</b> ,23, <b>24,26</b> ,28,31,40,42, <b>48</b>
14	1.3	p109: 52, <b>55,58,60</b> ,74,76,78,80, <b>85</b> ,90,95,98,112
	1.4	p114: <b>3,6</b>
15	1.4	p115: <b>9</b> ,13,14,18,23, <b>24,32,34,42</b> ,48
16	1.5	p126: 1,2,4,5,14, 16, <b>18,20</b> ,22, <b>23,25,33</b> ,38,40,45,48,50,74,76,86
17	1.6	p133: 4, <b>5</b> ,7,11, <b>15</b> ,20, <b>25</b> ,26, <b>28,30</b> ,32,61,63
18	1.7	p144: <b>13,15</b> ,21, <b>24</b> ,28,30,31,86,87
	1.8	p153: 45, <b>47,50</b> ,56,79,80
19	2.1	p176: 2,5,8,10,18, <b>25</b> ,32,33, <b>35</b> ,38,41,46,51,63, <b>69</b> ,76,80,81,92, <b>97,98</b>
20	2.2	p189: 1,2,6,7,8,10,14, <b>15,17</b> ,18, <b>25,27</b> ,34,36,37,38,40,42,44,50,62,66,73,75,83
	2.3	p202: 7,10

### Exam 2 Thursday, October 18<sup>th</sup> at 6:30 PM in Elliott Hall of Music

21	2.3	p202: 18, <b>20,30</b> ,31, <b>42</b> ,45,52, <b>59</b> ,68,82, <b>84</b> ,95,110,118
22	2.4	p220: 1,2,4,5,6, <b>11</b> ,15, 23,25, <b>29</b> ,31,32,43, <b>47</b> ,49, <b>51</b> ,53, <b>54</b> ,91,92,100
23	2.5	p229: 1,2,6,7,9,15,16, <b>18</b> ,19, <b>21</b> ,22, <b>24,25,26</b> ,35,36,38,41,53,54
24	3.1	p251: 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> ,100
25	3.3	p272: 1,4,5,7,11, <b>12</b> ,15, <b>37,39</b> ,40, <b>43</b> ,44,51, <b>52</b> ,58,63,64
26	3.6	p312: <b>19</b> ,20,21,23,24,25,36,37, <b>38,39</b> ,40, <b>51,52</b> ,55,56,64,65,68,75
27	3.7	p320: 1,2,3,4,6,8,10,14,16, <b>27,30,31</b> ,33, <b>51</b> ,53, <b>56(2 parts)</b> ,63,66
28	4.1	p342: 23,25,33,34, <b>35</b> ,36, <b>75</b> ,76,80
	4.2	p349: 8, <b>11</b> ,15, <b>16</b> ,18,19, <b>32</b> ,33
29	4.3	p360: 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	p366: <b>8</b> ,15,16, <b>17,19</b> ,20, <b>24,26</b> ,37,38,40
31	4.5	p375: 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	p384: 1,2, <b>5,10</b> ,12,34,44,45, <b>49</b> ,53, <b>54,55</b> ,70(formula on p339)
33	6.1	p444: 4,7,11,12, <b>16,22</b> ,24, <b>29</b> ,33, <b>36</b> ,40,41, <b>43</b>
34	6.1	p444: <b>14,25,27</b> ,(review)68,69, <b>70,74</b> ,75,76,92,93,94

**Exam 3 Wednesday, November 28<sup>th</sup> at 6:00 PM in Elliott Hall of Music**

35	2.4	p220: 7,8,9,10,66,67,73,76,77
	append II.1	pA-11: <b>5,11,14,25</b> ,31,34, <b>47</b> ,48
36	3.2	p260: 3, <b>16,25,26,31,32,37</b>
	append II.2	pA-19: 10,13,14,23,27, <b>30,40</b> standard equation of vertical parabola: $y - k = a(x - h)^2$
37	9.1	p654: 21,24,26,28,30,31,34,36,37,38,44,48,50,56
38	9.2	p660: 1,2,3,7,8,11,14,16,18,19,20,22,35,36
39	9.2	p661: 24,25,26,28,29,30,31,32,37,38
40	9.3	p667: 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>