

Text: **Introduction to Calculus, Purdue MA15910- Pearson Custom Edition for Purdue University, Taken from Algebra for College Student, 6<sup>th</sup> ed. (Lial, Hornsby, McGinnis) and Calculus with Application, 10 ed. (Lial, Greenwell, Ritchey)**

A one-line, scientific calculator with logarithm and exponential functions is required. Graphing calculators or programmable calculators **may not** be used. Calculators which are capable of numerical or symbolic differentiation or integration are considered programmable and are not allowed. The suggested calculator is a TI-30XA. All graphs for paper homework must be sketched by hand on paper or graph paper. **Problems in bold print below should be completed on paper and may be collected by the instructor and scored as a quiz.**

Note: Sections in normal print are found in part I (algebra half) of the textbook, sections found in bold print are found in part II (calculus half) of the textbook.

Problems in bold print are to be completed on paper and **may be** collected by your instructor. Problems that are not in bold print will be on MyMathLab and will be numbered 1, 2, 3, etc.

<u>Lessons</u>	<u>Sections</u>	<u>Assignments</u>
1(a&b)	5.2, <b>R.1</b>	course information discussed, <b>Algebra part</b> , p. 305: 5, 21, <b>22</b> , 41, <b>42</b> , 47, <b>48</b> , 55, <b>56</b> , <b>62</b> , 69, <b>70</b> , 71, <b>72</b> , 81; <b>Calculus part</b> , p. R-5: 3, <b>4</b> , 5, <b>6</b>
2 (a&b)	3.5, 7.4 <b>1.2, 2.1</b>	<b>Algebra part</b> , p. 210: 5, 7, 11, 13, <b>14</b> , <b>16</b> , 17, 19, 21, 23, <b>24</b> , 25, <b>26</b> , 27, <b>28</b> , 31, <b>32</b> , 33, <b>34</b> , 35, <b>36</b> , 37, <b>38</b> , 43, 45, <b>46</b> , 49, <b>50</b> , 51, <b>52</b> , 53, <b>54</b> , 55, 57, <b>58</b> , <b>60</b> , 61, <b>62</b> , 63, <b>64</b> , 65, <b>66</b> , 67, <b>68</b> , <b>72</b> , 75, <b>76</b> , <b>78</b> , 81, <b>82</b> , <b>86</b> , 87, <b>90</b> ; p. 423: <b>6</b> , 7, 9, <b>10</b> <b>Calculus part</b> , p. 23: 3, 5, <b>6</b> , 9, <b>10</b> , 19, <b>27(b,e,i)</b> , <b>33(a,b,c)</b> , <b>35(a-f)</b> ; p. 53: 1, <b>2</b> , 3, <b>4</b> , 5, <b>6</b> , 8, 17, <b>18</b> , <b>22</b> , 23, <b>24</b> , 25, <b>26</b> , 33, <b>34</b> , <b>35</b> , 37, <b>38</b> , <b>40</b> , 41, 43, <b>47</b> , 49, <b>50</b> , <b>51</b> , 55, 57, <b>58</b> , 59, 61, <b>62</b> , <b>76(a)</b>
3a	5.4, <b>R.1</b>	<b>Algebra part</b> , p. 324: 7, <b>10</b> , <b>12</b> , 13, 15, 19, 21, 23, 25, 27, 31, 33, 35, <b>40</b> , 47, 53, 57, 59, 61, 63, 79, <b>85</b> , <b>89</b> , <b>98</b> , 99, <b>100</b> <b>Calculus part</b> , p. R-5: 9, <b>11</b> , 15, 21, 23
3b	5.4, <b>R.1</b>	<b>More on polynomials, worksheet of problems</b> (The worksheet will be available on the web page and may also be emailed to students as an attachment.)
4	2.1, 7.4 <b>R.4</b>	<b>Algebra part</b> , p. 61: 13, 19, 21, 25, 31, 35, <b>40</b> , 53, 57, 61, 65 p. 423: 7, 19, 23, 27, 29, 35, 39 <b>Calculus part</b> , p. R-16: 3, <b>4</b> , 5, <b>29</b>
5	2.3, 2.4 7.5, 9.3	<b>Algebra part</b> , p. 81: 31, 39, 47, 49, 51, 53, 55, 59 p. 92: 21, 23, 25, <b>26</b> , <b>28</b> , 31, 41 p. 435: 43, 45, 49, 51, 53, 55, 57
6	6.5, 9.3, <b>R.4</b>	<b>Algebra part</b> , p. 376: 7, 11, 17, 23, 29, 33, 37, <b>43</b> p. 564: 19, 23, 25, <b>27</b> Summary: p. 567: <b>3</b> , <b>5</b> , <b>7</b> , <b>11</b> , <b>14</b> , <b>17</b> , <b>21</b> <b>Calculus part</b> , p. R-16: 9, <b>11</b> , 13, 15, <b>19</b> , 21, 23, 25, <b>29</b> , 31, 33, <b>34</b>
7	9.3, 9.4	<b>Algebra part</b> , p. 565: 35, 36, 37, 38, 39, 41, 42 p. 573: 29, 31, 32, 33, 35, 37, 38, 41, 43, 45 possible worksheet of additional problems
8	3.2, 3.3 <b>1.1</b>	<b>Algebra part</b> , p. 170: 21, 23, 25, 27, 31, 33, 35, 37, <b>38</b> , 39, <b>40</b> , 41, 43, 45, 47, 49, 53, <b>55</b> , 59, 61 p. 186: (7 – <b>14 all</b> ), 19, 21, 25, 27, 29, 33, 37, 39, 43, 47, 53, 57, 77, 79, <b>81</b> , <b>83</b> <b>Calculus part</b> , p. 13: <b>16</b> , <b>18</b> , <b>19</b> , <b>20</b> , <b>21</b> , <b>24</b> , <b>26</b> , 45, <b>47</b> , 49, <b>51</b> , 53, <b>55</b> , 57, <b>61</b> , <b>63(a,b)</b> , <b>64</b> , <b>68</b> , <b>69</b> , <b>70</b> , <b>72</b> , <b>74</b>
9	<b>3.1</b>	<b>Calculus part</b> , p. 135: 5, 7, 9, <b>10</b> , 11, 15, <b>17</b> , 19, 31, 33, 35, <b>37</b>
10	<b>3.1</b>	<b>Calculus part</b> , p. 135: <b>32</b> , <b>34</b> , <b>36</b> , <b>38</b> , 39, <b>41</b> , 43, 45, 47, 49, 51, <b>53</b> , <b>54</b> , <b>55</b> , <b>56</b> , 83, 91

September 25<sup>th</sup> & 28<sup>th</sup> **REVIEW FOR EXAM 1** (attendance not required on the 28<sup>th</sup>)

**Exam 1, W, Monday evening exam, Location Elliott Hall of Music, 6:30 – 7:30 PM**

11	<b>3.3</b>	<b>Calculus part, p.158:</b> 1, 3, 5, 9, <b>12</b> , 17, 25(a-d), <b>26(a-d)</b> , <b>29(a,b)</b> , <b>33</b> , <b>42(b,c)</b>
12	<b>3.4</b>	<b>Calculus part, p. 176:</b> 11, 13, 15, 21, 23, <b>25</b> , 35, <b>36</b> , 37, 49, <b>51</b> , <b>56(a,b)</b>
13	<b>4.1</b>	<b>Calculus part, p. 207:</b> 1, 3, <b>4</b> , <b>5</b> , <b>7</b> , <b>8</b> , 9, <b>10</b> , 11, <b>12</b> , 13, <b>15</b> , <b>16</b> , 17, 19, <b>20</b> , <b>21</b> , 23, <b>24</b> , 27, <b>28</b> , 29
14	<b>4.1</b>	<b>Calculus part, p. 207:</b> 31, <b>32</b> , 33, <b>35</b> , 37, 39, 41, 43, 45, 51, <b>52</b> , <b>56</b> , <b>60</b> , <b>67(c)</b> , 69, <b>71</b> , <b>73</b>
15	<b>4.2</b>	<b>Calculus part, p. 216:</b> 1, 3, 5, 7, 9, <b>29</b> , <b>34</b> , 39, <b>50</b>
16	<b>4.2</b>	<b>Calculus part, p. 216:</b> 11, 13, <b>15</b> , 17, 19, <b>21</b> , 23, <b>25</b> , 30, 31, <b>33</b> , <b>35</b> , <b>40</b> , 41, 43, 53, 54
17	<b>4.3</b>	<b>Calculus part, p. 225:</b> 7, 11, 13, 15, 17, 19, 21, 23, 25, 28, 29, 31
18	<b>4.3</b>	<b>Calculus part, p. 225:</b> 43, 45, 47, 49, <b>50</b> , <b>54(a,b,c)</b> , <b>55(a,b)</b> , <b>57(a,b)</b> , <b>62(a-c)</b> , <b>63(a-c)</b>
19	<b>2.4</b>	<b>Calculus part, p. 86:</b> 13, 15, 18, 19, 21, 23, <b>25</b> , 27, 37, <b>39</b> , <b>40</b> , <b>42</b> , 43, 47, <b>48(a,b)</b>

**October 23<sup>rd</sup> & 26<sup>th</sup>**  
**October 26<sup>th</sup>**

**REVIEW FOR EXAM 2 (attendance not required on the 26<sup>th</sup>)**  
**Exam 2, Monday evening exam, Location Elliott Hall of Music, 6:30 – 7:30 PM**

20	<b>4.4</b>	<b>Calculus part, p. 232:</b> 1, 3, 5, 7, 9, <b>11</b> , 13, <b>15</b> , <b>17</b> , 19, <b>21</b> , 23, 38, 41, <b>42</b> , 45, <b>58(a-c)</b>
October 28 <sup>th</sup>		LAST DAY TO WITHDRAW FROM THE COURSE (WILL RECEIVE A 'W')
21	<b>2.5</b>	<b>Calculus part, p. 98:</b> 1, 3, 5, 7, <b>9</b> , 12, 13, 15, 17, <b>19</b> , 21, 27, 29, 31, 33, 35, 37, <b>39</b> , 41, 43, 45, 47, <b>49</b> , 51, <b>53</b> , 57, 59, <b>61</b> , <b>77</b> , <b>90(b,d)</b> , <b>92(a,b)</b>
22	<b>4.5</b>	<b>Calculus part, p. 240:</b> 1, 3, 7, 10, 13, 15, 17, 23, 47, <b>56 (a-c)</b> , <b>57(a,b)</b> , <b>64 (a,c)</b> , <b>65</b>
23	<b>5.1</b>	<b>Calculus part, p. 260:</b> 1, 3, 5, 7, 13, <b>15</b> , 17, 19, 21, 23, 25, 28, <b>29</b> , <b>31</b> , 46, 47, <b>52</b> , 55
24	<b>5.2</b>	<b>Calculus part, p. 271:</b> 5, 13, 15, 17, 19, 21, 25, 29, 31, <b>35</b> , 41, <b>43</b> , 46, <b>47</b> , 49, 57
25	<b>5.3</b>	<b>Calculus part, p. 283:</b> 1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 23, <b>25(a)</b> , 27, <b>29</b> , 31, <b>33</b> , 35, 37, <b>39</b> , 41, 45, <b>87</b> , 91, 93
26	<b>12.4, 3.1</b>	<b>Algebra part, p. 785:</b> 15, <b>17</b> , 19, 21, 23, <b>25</b> , 27 (Only find the equations of any horizontal or vertical asymptotes for these problems.)
		<b>Calculus part, p. 137:</b> all problems 43, <b>44</b> , 45, <b>46</b> , 47, <b>48</b> , 49, <b>50</b> , 51, <b>52</b>
27	<b>5.4</b>	<b>Calculus part, p. 294:</b> 3, <b>4</b> , 5, <b>6</b> , 7, <b>8</b> , <b>9</b> , 11, 13

**November 16<sup>th</sup> & 18<sup>th</sup>**  
**October 28<sup>th</sup>**

**REVIEW FOR EXAM 3 (attendance not required on the 18<sup>th</sup>)**  
**Exam 3, Wednesday evening exam, Location Elliott Hall of Music, 8:00 – 9:00 PM**

28	<b>5.4</b>	<b>Calculus part, p. 294:</b> 15, <b>17</b> , <b>18</b> , <b>19</b> , <b>20</b> , 21, <b>23</b> , 25
29	<b>6.1</b>	<b>Calculus part, p. 310:</b> 11, 13, 15, 17, <b>19</b> , 20, 21, 25, 31, <b>33</b> , 36, <b>37</b> , <b>44</b> , 45, <b>51</b> , <b>52</b> , <b>55</b> , 56
30	<b>6.2</b>	<b>Calculus part, p.318:</b> <b>1</b> , <b>7</b> , <b>8</b> , <b>9</b> , <b>10</b> , <b>11</b> (no problems on MyMathLab, all problems on paper) <b>I expect to see your work/steps for these problems, not just an answer sheet.</b>
31	<b>6.2</b>	<b>Calculus part, p.318:</b> <b>13</b> , 14, 15, <b>16</b> , 19, <b>20</b> , 21
32	<b>6.2</b>	<b>Calculus part, p. 318:</b> 23, 24, 31, <b>33</b> , <b>45</b> , <b>47</b>

December 7<sup>th</sup>, 9<sup>th</sup>,  
11<sup>th</sup>

**REVIEW FOR FINAL EXAM ( attendance not required on 11<sup>th</sup> )**

Week of Dec. 14<sup>th</sup>

**FINAL EXAM (location, date, time to be announced)**