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| <p>Wednesday, Nov. 10</p> <p>Sec. 4.6 p. 295 (Omit part c.)<br/>17, 19, 22</p> <p>Handout Sec. 5.1 p. 276<br/>7, Identify the indicated parts and graph:<br/>14, 15, 20 (Scale both axes by 0.25), 22 (Scale both axes by 0.2)</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">Math Matters Due</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">Must do at least 3 of the last 4 problems</div> | <p>Friday, Nov. 12</p> <p>Handout Sec. 5.1 p. 276<br/>24</p> <p>Handout Sec. 5.3 pp. 299-300<br/>3, 4, 43 (Scale both axes by 0.1)</p> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">Must do 3 problems</div> |
| <p>Tuesday, Nov. 16</p> <p>Sec. 4.2 pp. 256-257<br/>Find relative (local) extrema only:<br/>44-47, 71, 77, 78, 81 (Hint: Consider the domain.)</p>   | <p>Thursday, Nov. 18</p> <p>Interpreting Graphs Handout</p>   |
| <p>Monday, Nov. 22</p> <p>Absolute Extrema Handout</p>   | <p>Monday, Nov. 29</p> <p>Curve Sketching with CAS (Partner problems)</p>   |
| <p>Wednesday, Dec. 1</p> <p>Review Curve Sketching</p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">Journal Due</div>   | <p>Friday, Dec. 3</p> <p style="text-align: center; font-family: cursive;">Curve Sketching Test</p>   |
| <p>Tuesday, Dec. 7</p> <p>Semester Review</p>  | <p>Monday, Dec. 13</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">SEMESTER EXAM</p>  |
| <p>Thursday, Dec. 9</p> <p>Semester Review</p>   |   |

Sec. 4.2 pp. 256-257

44. Rel. max.  $(-1,7)$  Rel. min.  $(3,-185)$

45. Rel. max.  $(0,0)$  Rel. min.  $(2,-3\sqrt[3]{4})$

46. Rel. max.  $(0,0)$

47. Rel. min.  $(\frac{1}{e^2}, \frac{-2}{e})$

71. Rel. max.  $(0,0)$  Rel. min.  $(2,-4)$

77. Rel. max.  $(0,12)$  Rel. min.  $(1,11)$

78. Rel. max.  $(4, \frac{256}{e^4})$  Rel. min.  $(0,0)$

81. Rel. min.  $(e^5, -e^{10})$

Sec. 4.6 p. 295

22.  $c = \sqrt{3}$