

# Notes and Study Guides

## Notes

- Review of Calc 1<sup>1</sup>
- Area between graphs (6.1)<sup>2</sup>
- Volumes and Mean Value Theorem for integrals (6.2)<sup>3</sup>
- Volumes of revolution (6.3)<sup>4</sup>
- Shell method (6.4)<sup>5</sup>
- The exponential function (7.1)<sup>6</sup>
- Inverse functions (7.2)<sup>7</sup>
- Logarithms (7.3)<sup>8</sup>
- Exponential Growth and Decay (7.4)<sup>9</sup>
- Compound Interest (7.5)<sup>10</sup>
- L'Hospital's Rule (7.7)<sup>11</sup>
- Comparative growth of functions (7.7)<sup>12</sup>
- Inverse Trigonometric Functions (7.8)<sup>13</sup>
- Hyperbolic Functions (7.9)<sup>14</sup>
- Integration by parts (8.1)<sup>15</sup>
- Trigonometric Integrals (8.2)<sup>16</sup>
- Trigonometric Substitution (8.3)<sup>17</sup>
- Method of Partial Fractions (8.5)<sup>18</sup>
- Improper Integrals (8.6)<sup>19</sup>
- Numerical Integration (8.8)<sup>20</sup>
- Taylor Polynomials (9.4)<sup>21</sup>
- Arc Length (9.1)<sup>22</sup>

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<sup>1</sup>[notes/calc1\\_review.html](notes/calc1_review.html)

<sup>2</sup>[notes/area\\_graphs.html](notes/area_graphs.html)

<sup>3</sup><notes/volumes.html>

<sup>4</sup>[notes/volumes\\_revolution.html](notes/volumes_revolution.html)

<sup>5</sup>[notes/volumes\\_shell.html](notes/volumes_shell.html)

<sup>6</sup><notes/exponential.html>

<sup>7</sup>[notes/inverse\\_functions.html](notes/inverse_functions.html)

<sup>8</sup><notes/logarithms.html>

<sup>9</sup>[notes/exponential\\_growth.html](notes/exponential_growth.html)

<sup>10</sup>[notes/compound\\_interest.html](notes/compound_interest.html)

<sup>11</sup><notes/lhopital.html>

<sup>12</sup><notes/growth.html>

<sup>13</sup>[notes/inverse\\_trig.html](notes/inverse_trig.html)

<sup>14</sup><notes/hyperbolic.html>

<sup>15</sup>[notes/integration\\_parts.html](notes/integration_parts.html)

<sup>16</sup>[notes/integrals\\_trig.html](notes/integrals_trig.html)

<sup>17</sup>[notes/integrals\\_trig\\_subst.html](notes/integrals_trig_subst.html)

<sup>18</sup>[notes/integrals\\_partial.html](notes/integrals_partial.html)

<sup>19</sup>[notes/integrals\\_improper.html](notes/integrals_improper.html)

<sup>20</sup>[notes/integrals\\_numerical.html](notes/integrals_numerical.html)

<sup>21</sup><notes/taylor.html>

<sup>22</sup>[notes/arc\\_length.html](notes/arc_length.html)

- Parametric Equations (12.1)<sup>23</sup>

## Study Guides

- Midterm 1 study guide<sup>24</sup>
- Midterm 2 study guide<sup>25</sup>
- Final study guide<sup>26</sup>

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<sup>23</sup>[notes/parametric.html](#)

<sup>24</sup>[notes/midterm1\\_study\\_guide.html](#)

<sup>25</sup>[notes/midterm2\\_study\\_guide.html](#)

<sup>26</sup>[notes/midterm3\\_study\\_guide.html](#)