**Differentiation Rules Integration Rules**

(power rule)

 (constant multiple rule)

(sum/difference rule) **Trigonometric Functions**

(product rule)

(quotient rule)

 where is the inverse of

**Trigonometric Functions:**

**Inverse Trigonometric Functions:**

 **Inverse Trigonometric Functions:**

**Exponential & Logarithmic Functions:**

 **Exponential & Logarithmic Functions:**

**Properties of Definite Integrals:**

|  |
| --- |
| **FORMULAS FROM GEOMETRY** |
| **Triangle*****h******a******b******c***Law of Cosines | **Trapezoid**  |
| **Equilateral Triangle** | **http://www.snapwiz.com/content/courseImages/3/sector.pngArea of a Sector** in radians) |
| **Circular Ring** | **http://library.thinkquest.org/20991/media/geo_cone2.gifCone** |
| **http://library.thinkquest.org/20991/media/geo_sphere.gifSphere** | **https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSn9eYAsx7Z5smF3SzGM0C2qLBumkT_eIfRkmTeVrIsMVxJd8UHBgCylinder** |
| **Conic Sections** |
| **Circle** | **Ellipse****+** |
| **Parabola**http://prodigypreptutoring.com/wp-content/uploads/2012/11/horizontal-parabola_opt.pnghttp://prodigypreptutoring.com/wp-content/uploads/2012/11/vertical-parabola_opt.png | **Hyperbola**http://www.mathwords.com/h/h_assets/h32.gif |