*instantaneous current & q is charge in coulombs*

*instantaneous power & energy (or work) w*

*instantaneous Capacitor current & voltage*

*instantaneous induced voltage & flux*

*instantaneous induced voltage & current*

*instantaneous mutual inductance*

*Kirchhoff’s Current Law*

*Kirchhoff’s Voltage Law*

*Acceleration due to gravity*

*velocity*

*distance*

*Logarithms*

*Circles*

*Parabolas*

*Area of a Circle*

*Area & Circumference of a Circle*

*Volume of a Cylinder*

Trig Functions Formulas:

* angle Ө is in radians, s is the distance along the arc and r is the radius of the arc.

* is angular speed

* is angular acceleration

* is the linear distance along an arc, Ө is the angle in radians, and r is the radius of the arc.

* is linear speed

* is linear acceleration

* is the velocity or speed of the x or horizontal component

* is the velocity or speed of the y or vertical component