**STANDARD INTEGRATION FORMULAS:**

1. ***Integration of Algebraic Functions***

1. ***Integration of Logarithmic and Exponential Functions***
2. ***Integration of Trigonometric Functions***

**Activity #1**



**Activity #2**



**Integral Calculus** is the inverse of differentiation or simply known as anti-derivative. Integral Calculus is supposed of two major areas

**1) The Indefinite Integrals** such as direct methods of integrations and techniques & integration and

**2) The Definite Integral**

**INDEFINITE INTEGRAL**

**DEFINITE INTEGRAL**

**STANDARD INTEGRATION FORMULAS:**

1. ***Integration of Algebraic Functions***

***Ex. Evaluate the integral of the following:***

1. **{ *FOIL Method* }**

**Exercise:**



***Apple u - substitution:***

1. ***Integration of Logarithmic and Exponential Functions***

**Rational function**



1. ***Integration of Trigonometric Functions***

**Activity #1**



**Activity #2**



Apply Trigonometric Substitution

Use the common integral

Activity #2