

**Rukonuzzaman Topu**  
 Student,dept of cse  
 Green university of bangladesh  
 ID:232002280

In March 2006, congress raised that amount by an addition \$0.79 trillion to \$8.97 trillion, which is approximately 68% of GDP. As of October 4, 2008, the “Emergency Stabilization Act of 2008” raised the current debt ceiling to \$11.3 trillion.

this is a simple math expression  $\sqrt{x^2 + 1}$  inside test and this also the same : $\sqrt{x^2 + 1}$  but by using another command .

This is a simple math expression without numbering

$$\sqrt{x^2 + 1}$$

separated from text .

This is also same :

$$\sqrt{x^2 + 1}$$

....and this :

$$\sqrt{x^2 + 1}$$

standard latex practice is to write inline math by enclosing it between  $\backslash(...\backslash)$ : in physics , the mass -energy equation is stated by the equation  $E = mc^2$  ,discovered in 1905 by Albert Einstein.

instead if writing (enclosing) inline math between  $\backslash(...\backslash)$  you can use ... to achieve the same result :  
 in physics , the mass -energy equation is stated by the equation  $E = mc^2$ ,discovered in 1905 by Albert Einstein.

Or, you can use **\begin{math}...\end{math}**:

In physics, the mass-energy equivalence is stated by the equation  $E = mc^2$ , discovered in 1905 by Albert Einstein.

$$\begin{aligned}(x + 1)^n &= 1 + nx + \frac{n(n - 1)}{2!} X^2 \\&\quad + \frac{n(n - 1)(n - 2)}{3!} X^3 \\&\quad + \frac{n(n - 1)(n - 2)(n - 3)}{4!} X^4 \\&\quad + \dots\end{aligned}$$

