

$$(2,4,3) = 300F$$
  
 $3(10)^{23}00F$ 

It potential energy increases, the work done by the F is repaire, meaning that the Fix ading opposite to He osplanement.

$$V(x,y/3)$$
, mass = m

Mogrithele (r) = /r/= 1/22+y2

$$mag(r) = |r| = N(2c^2 + y^2 + z^2)$$

F = - 
$$\nabla V = - \left( e_{x} \frac{\partial v}{\partial x} + e_{y} \frac{\partial v}{\partial y} + e_{s} \frac{\partial v}{\partial y} \right)$$

Classical