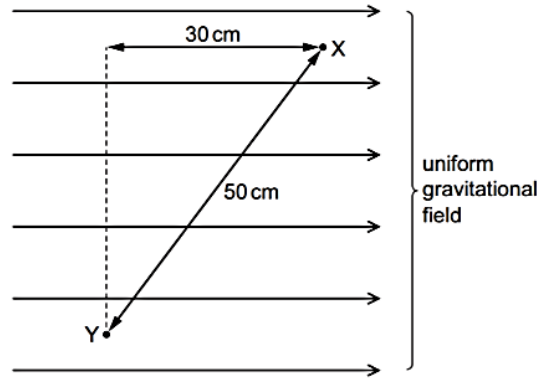


11

A mass at point X inside a uniform gravitational field experiences a gravitational force of  $0.200\text{ N}$ . It has  $1.00\text{ J}$  of gravitational potential energy.



The mass is then moved to point Y. What is its new gravitational potential energy?

**A**

$0.90\text{ J}$

**B**

$0.94\text{ J}$

**C**

$1.06\text{ J}$

**D**

$1.10\text{ J}$