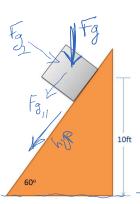
- A 16 <u>lb</u> crate slides down a ramp as shown to the right. If the crate is released from a height of 10 ft
 - What is the work done by gravity?
 - What is the change in gravitational potential energy

Ja van -



Work = Force * distance

Force = $f_g(\sin 60^\circ)$

Work = (16 sia60°) (10 six60°) = 160 ft.16s

DPE = mgh

 $M = \frac{F_9}{32.2}$

h=10ft

APE = (F) (311) (10)

DPE = (16)(10) = 160 ft. 163