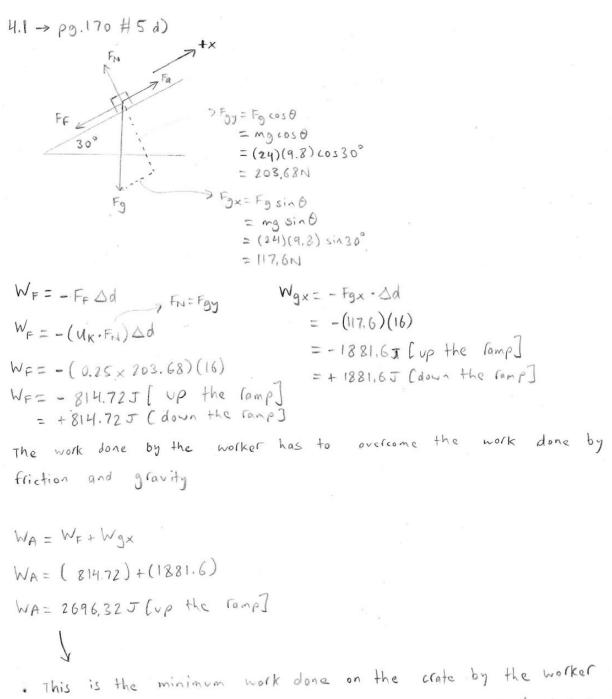
Errata Nelson Physics 12 Chapter 4

Section 4.1 - Review #5d - pg. 170 (Steps shown are incorrect)



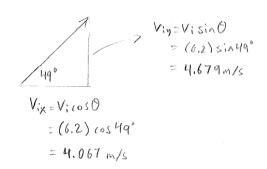
- . The WA cannot be truly calculated unless a FA (applied force) is given

WA = FA Dd cos O

.. the total work done is zero in this case assuming the crate moves at a constant velocity

Section 4.5 – Sample Problem #2 – pg.186 (Steps shown are incorrect)

4.5 -> pg. 186 Sample Problem 2



$$\frac{V_{iy}^{2} - h_{f}}{29} = h_{f}$$

$$\frac{(4.679)^{2} - h_{f}}{2 \times 9.8}$$

b)
$$E_{ki} + E_{g}$$
; = $E_{kf} + E_{gf}$
(starts at ground).
 $\frac{mV_{i}^{2}}{2} = \frac{mV_{f}^{2}}{2} + mghf$
 $\frac{(4.679)^{2}}{2} = \frac{V_{f}^{2}}{2} + (9.8)(0.82)$
 $10.946 = V_{f}^{2} + 8.036$

using projectile motion

assuming the builting lands ground to ground

Hence $\frac{(V_{\sin}Q)^2}{2g}$ $= \frac{(6.2 \sin 4q)^2}{2g}$

Hmax = 1.11m

$$\sqrt{5.82} = V_f$$

$$\sqrt{5.82} = V_f$$