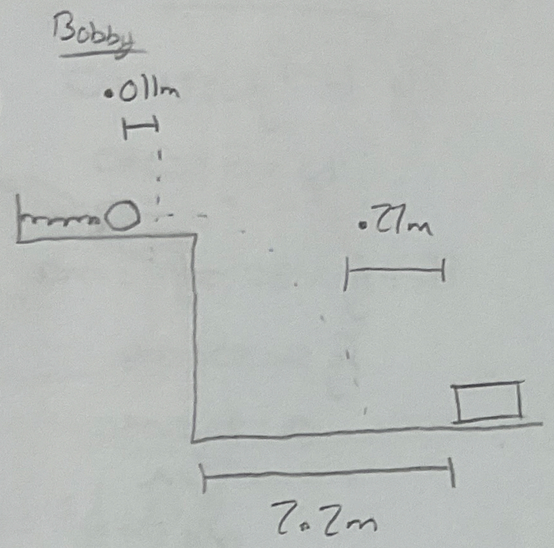
Burford. 78

Show work

9.)



Bobbys run

$\Delta s = 1.93m$

$g = 10$

$\Delta x_s = .011m$

Energy of spring

$PE_s = KE_b$

$\frac{1}{2}kx^2 = \frac{1}{2}mv^2$ +3

$kx^2 = mv^2$

$k(.011) = mv^2$

$v = \sqrt{\frac{kx^2}{m}}$ +3

kinematics

x:

$\Delta s = 1.93$

$t =$

$a = 0$

$v_0 = v_f$

y:

$\Delta y = ?$

$t = ?$

$a = -10$

$v_0 = 0$

$v_f =$

* Use spring energy to determine how fast bobby's ball was going. Use this to calculate Rhoda's.

- out of time -