- 1) work done by body in fig a = Fxs = W,
  - = INXIM = IJ = WI

Work done by body in fig. b = fxs = W2

 $=3N\times om = OJ = \omega_2$ 

Work done by body in fig c = F xs = W3

 $= 2N \times Im = 2J = \omega_3$ 

work done by body in fig. d = Fxsxcoso

- = 2N x 2m x cos 900 = 2N x 2m x 0 = 0J = W4
- · . o Ranking of the boxes according to work done is.
  - = W2 = W4 < W1 < W2
  - 2) c) 1.4m1s
  - 3) b) its relocity is made four times
  - 4) a) 85
  - 5) a) 2times
  - 6) d) independent of mass m.
  - 7) 60 1.5 x 10 5 J