Chaz: ibrahim mohammed Alhamed 108 2212001102 Q18 A) K= 1/2(3)· V2= 1.5MV2 B) K = 1/2 (3) (2)2 V2= 6MV2 () $K = \frac{1}{2}(2)(3)^2V^2 = 9MV^2$

has the largest D) 1 <= 1/2 (1) . (4) 2 V2 = 8 MV2 so the answer is © m = 8000 = 800Kg 1 = 1 mv2 $=\frac{1}{2} \times 800 \times 12^2$ - 5 8000 = 5.9 XI 04j 030 -1 M V2 = M. L2 D40) W= Fd Coso W = 40 (0) Coso W = 0 So Answer is zero Q581 W = Fd = 3 X 27r =3x2x3.14x2.5= 47 The Aswer is (E) the centripetal force is Prerpendicula to the Velocity

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Q70 | zero. The Centripetal Force is Perpendicular
        to the motion and doesn't work, the same goes
        for gravity, Actually any force must have
        done zero work on the object intotal is the
        object has the same Posiston, speed, direction
        ofter one full revolution.
088) Let m=1kg
                          Ky= 1 (1)(2) 2 Kg-Ki = 2-12.5
     A) K_i = \frac{1}{2} \cdot (1)(5)^2
           = 12.5
    B) Kf-Ki = 2-12.5 = - Ve
    C) K=-Ki = 2-12.5 =-Ve]
    D) Kg-Ki = 2-12.5 =-Ve)
     E) Kg - Ki = 12.5 - 2 = [+ve] V
      Answer is (E)
                         2 as = Vf2-V;2
       F=mxa
                           0 = 0^{2} - (3)^{2}
2 \times 2
          =4 (-2.25)
          -- 9N
                           0 = -2.25
      W = Ed
         = -9(2)
        =-185
@10:
      W=1(9.8)
         =9.8W
     W= Fd
       =(9.8)(1)
       ≈ 10<sub>1</sub>
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Q198
$$W = -F_g \cdot - d \cos \theta$$

 $= F_g \cdot d \cdot 1 = + ve$
So It's (A) Positive
Q128 $W = F d$
 $= 100 \times 5$
 $= 500 \text{J}$
While $W = \frac{1}{2} |KX_i|^2 - \frac{1}{2} |(X_i)^2 - \frac{1}{2} |(1)(-2)|^2$
 $= \frac{1}{2} \cdot (1)(-4)^2 - \frac{1}{2} |(1)(-2)|^2$
 $= \frac{16}{2} \cdot 4 = 28 - 2$
 $= \frac{16}{2} \cdot 4 = 8 - 2$
 $= \frac{148}{2} \cdot 7 \cdot 8 = \frac{16}{2} \cdot 8 \cdot 3 = \frac{16}{2} \cdot 8 = \frac{16}{2} \cdot 8 \cdot 3 = \frac{16}{2} \cdot 8 =$

0 1881	Pover = Work (energy)
	time
	KW = work(energy)
	Energy = 1/Wh So Astwere Answer is C
	Cheroyy
298	P=F.CosQ
	=190 Cos 25 x 7.3
	= 1257
	21300W
4	