



- 11. W=Fd here Cronstant force in the same direction as Dr)

 F and d are the same for both, so W is the same.

 Therefore of is the same.
- 12. Particle A will travel further since its acrel will be greater $(d=\frac{1}{2}\alpha f^2)$. Since w=Fd that means more work will be done on A.

We spring =
$$-\frac{1}{2}k(X_f^2 - X_i^2)$$
 where $X_f = d$
 $X_i = 0$
 $X_i = 0$

$$\frac{1}{2}k\frac{d^2 = mgd}{k} = 0,196m$$

14. A works are the same as above, but add $W_{drag} = -f_{drag} \cdot d$ The same as above, but $W_{drag} = -f_{drag} \cdot d$ $W_{drag} = -f_{dra$