## Physics 111 - Class 12A Test 4 Reflection

Do not draw in/on this box!

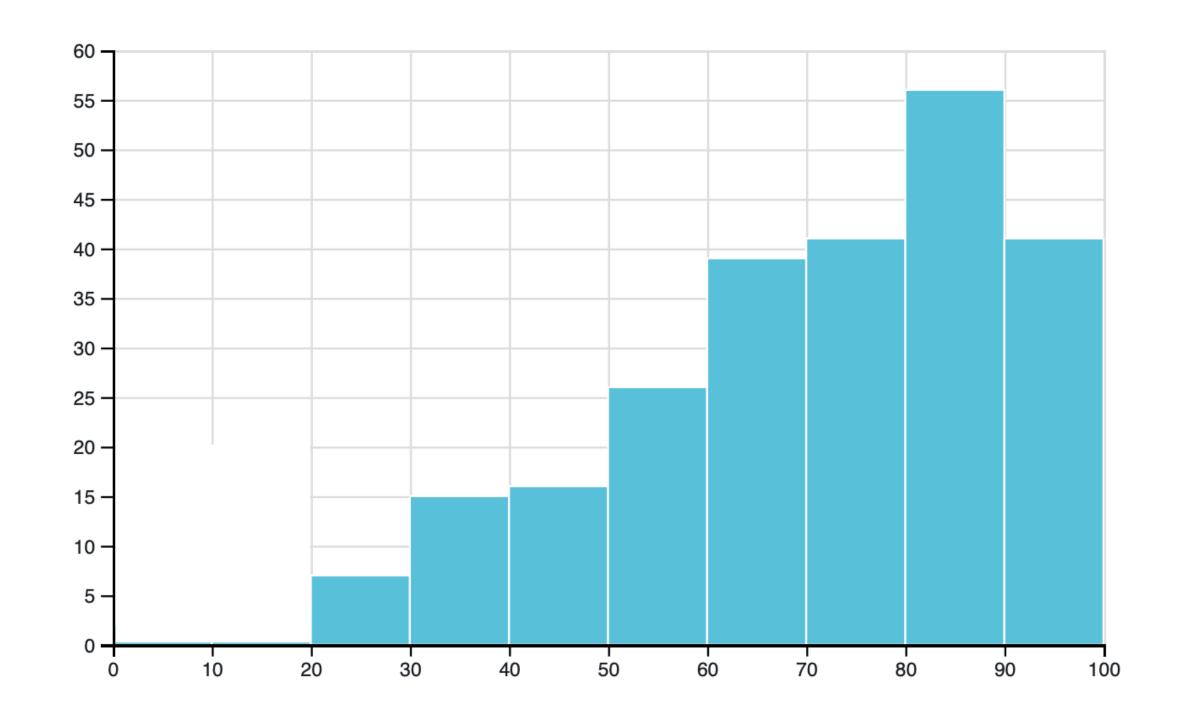
November 22, 2021

You can draw here



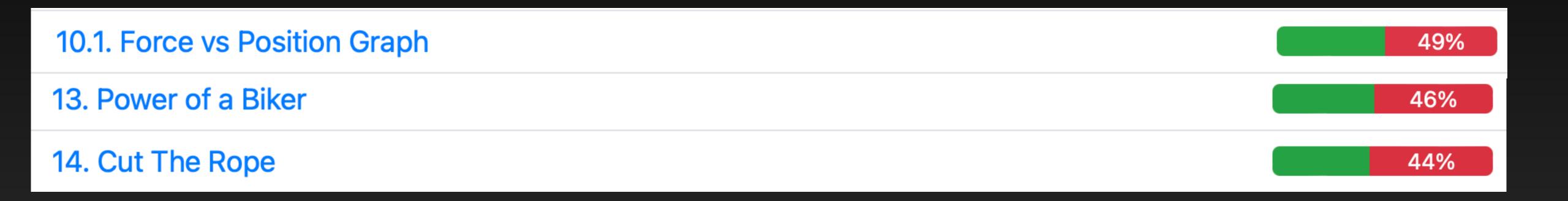
## Test 4 Reflection

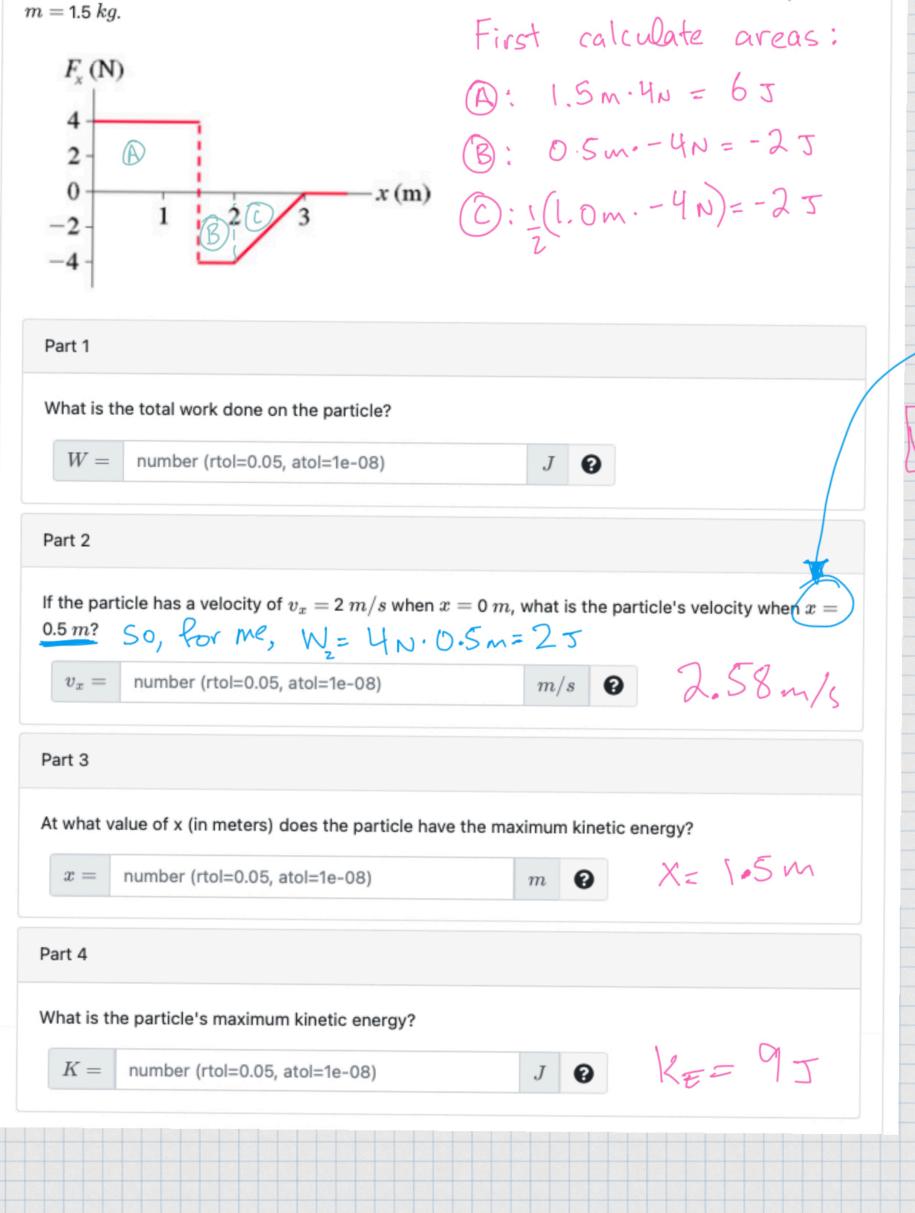
## Tests and Bonus Tests 4-Bonus: Score statistics



- Number of students 246
- Mean score 70%

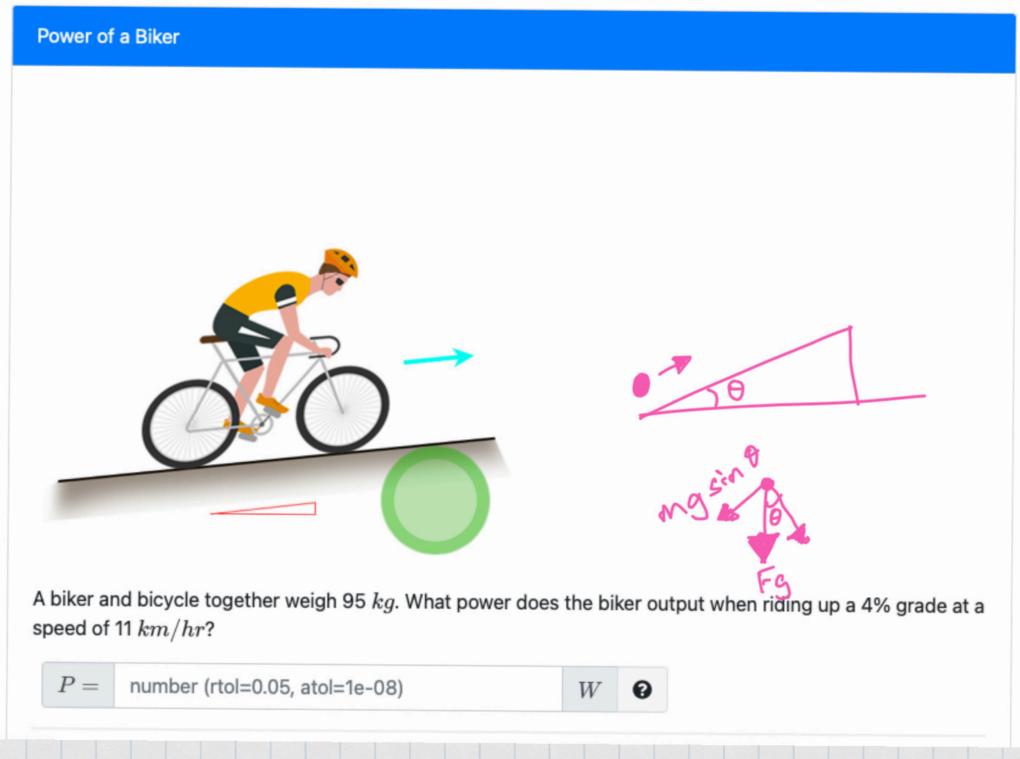
- Bonus Test 4 was exactly the same length as Test 4
  - Time was not a factor
- A couple of key misconceptions...
- Test has been scaled for difficulty (percentage is accurate)

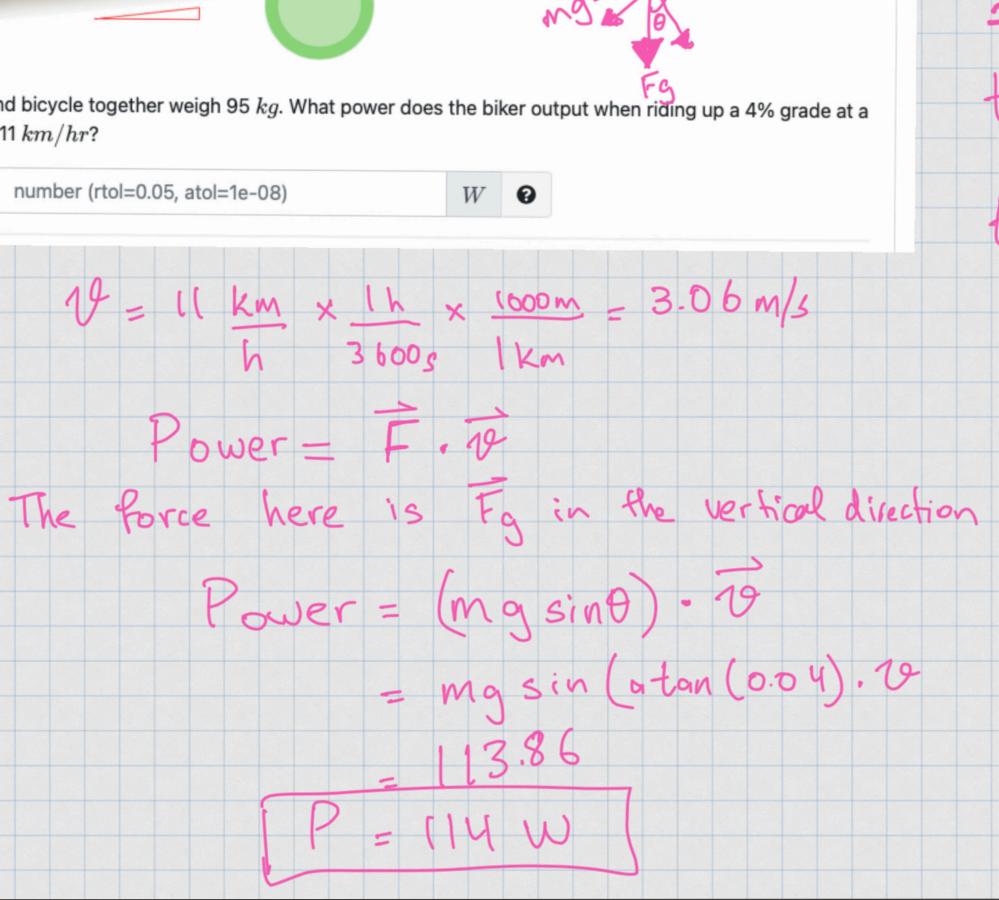


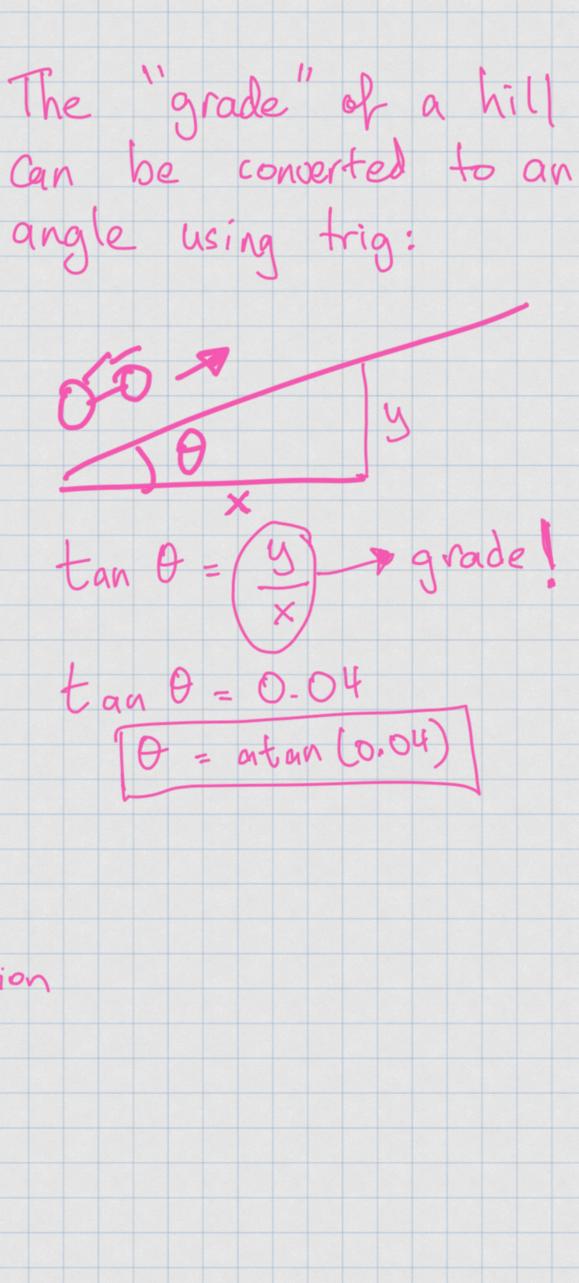


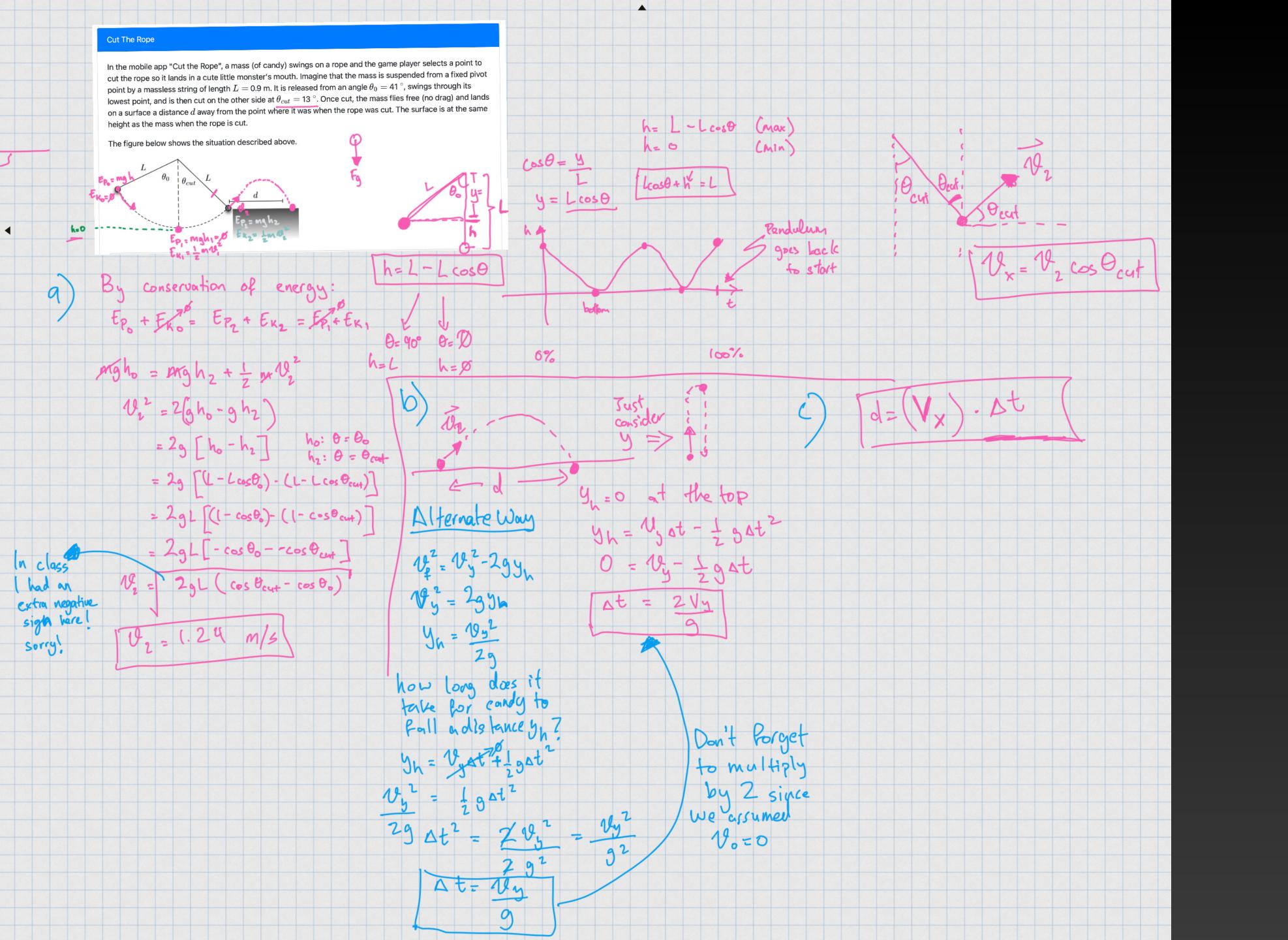
The graph below shows the net force on a particle as a function of its position. The mass of the particle is

W=A+B+C=2J -> Area under W= BKE = 1 m ( 12 - 12) Up = 2 W2 + 12 Remember W depends on your = 2.2 + (2m/s)2 X! 1 Vp = 2.58 m/s Kinetic energy is max When x=1.5m (Since KE is increasing natil x=1.5m) Ke-max = WA + 1/2 m 190 Max Kinetic energy Kemax = 6+ \frac{2}{2}m. (2m/c)









## See you next class!