CRUZ (Calderhead)
Ryan Boehm

Corrections for Video

Problem: we wrote the $F_g = 62 N$

correction: we made a simple mistake of moving the decimal place over 2 numbers instead of 1, it should have been
$$F_g = 0.62 Kg \times 10 m/s^2 = 6.2 N$$

problem: The ball was not in equilibrium in the air

correction: The ball was immediately accelerating downward once there was no Normal force

Problem: we stated that the universal gravitational constant was 6.63

correction: Take this constant out because it is not relevant, so it makes it more confusing

Problem: we talked about KE & PE but did not explain the work done on his finger.

correction: The work on the players finger would be $6.2 N \cdot (\Delta X = $ distance his finger changes from when his finger is straight to bent)
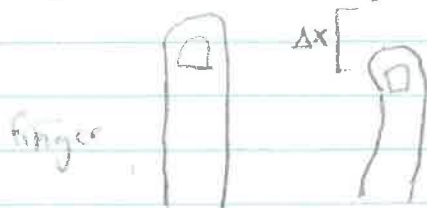
Problem: we were not clear on what the perpindicular component was of

correction: the perpindicular component is of the radius

Problem: We did not correctly show the addition of the $\vec{L}$.

Correction: We have to show the initial angular momentum of the ball, we would add the angular momentum from his hand applied by the ball. The angular momentum from his hand will be in the opposite direction. So the final angular momentum will be in same direction as the initial but be less.