DATE: NAME:

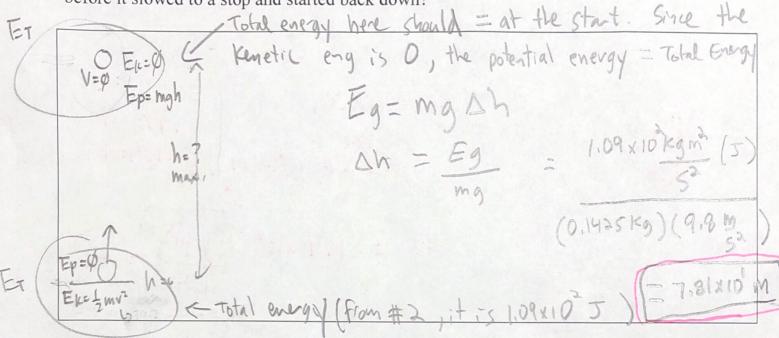
CLASS:

TOPIC 3.1

More Energy Equation Calculation Problems

BLM 3.1-11

3. If the baseball pitcher in question 2 throws the ball straight up, how high would it go before it slowed to a stop and started back down?



- 4. a) A loaded box car has a total mass of 6.80×10^4 kg. If the train is travelling at a speed of 23.7 m/s, what is the mechanical kinetic energy of the box car?
- b) If a family car has a mass of 1237 kg, how fast would it have to go to have the same mechanical kinetic energy as the box car in part a)?

