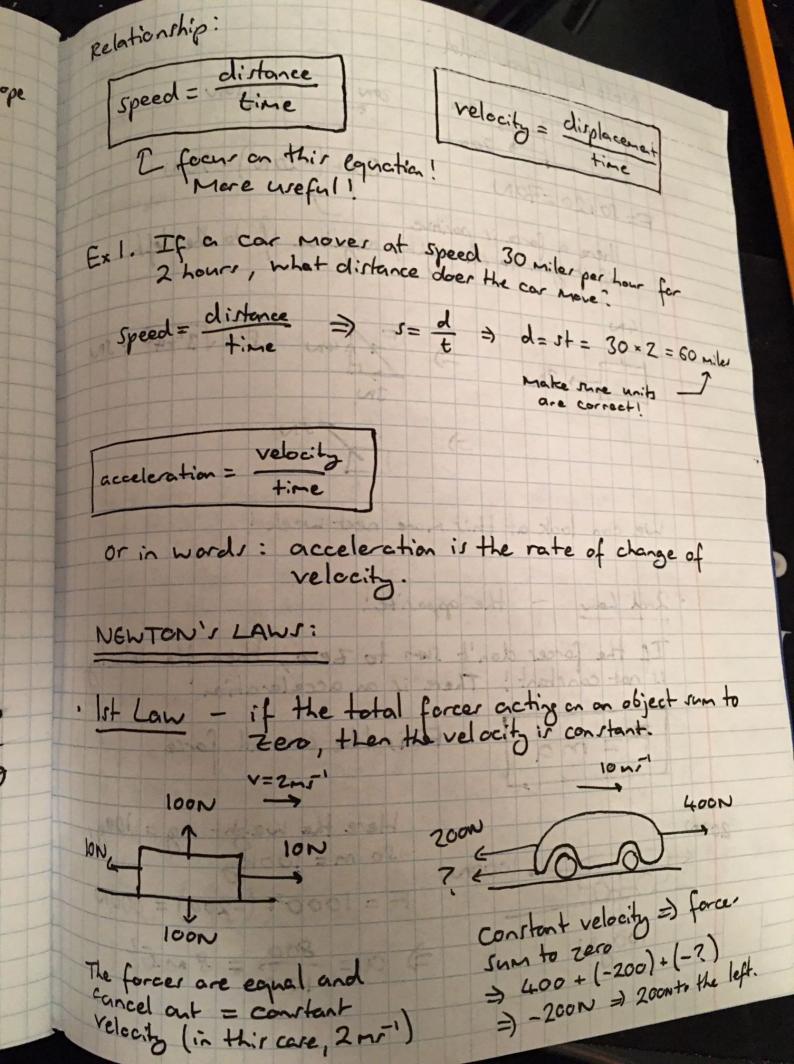
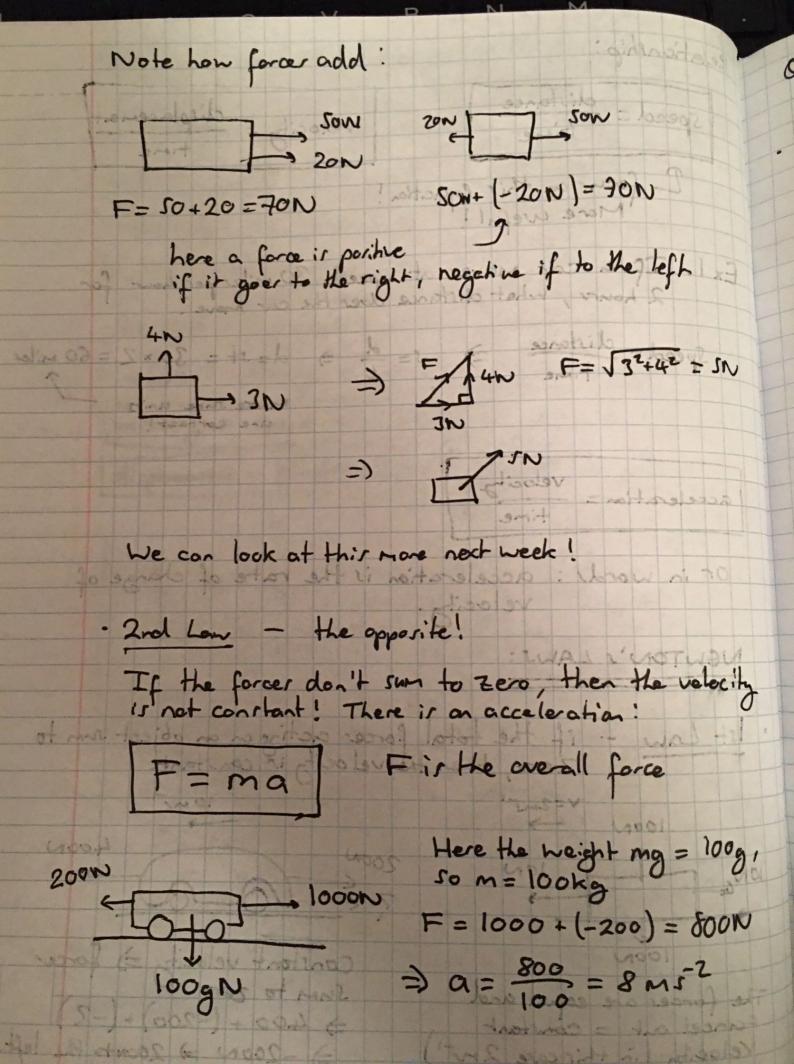
Tutoring Lerron Notes: Lerron 1 (5/4) Topics: Overview & introduction, Newton's Laws, inclined slope question, introduction to energy. Scalars & Vectors: · SCALAR - a magnitude Examples: time, speed, mass · VECTOR - a magnitude with a direction Examples: Velocity, acceleration, force relocity = speed with direction [displacement = distance with direction] 1 2 3 - 3 - 3 B 0 Here my distance travelled

Here my distance travelled is the squiggly line (sop, 4 miles) while my displacement is 2 miles from A to B (the detted line)

Here the ball starts with a velocity of smr' to the right, but changes velocity (smr' to the left).

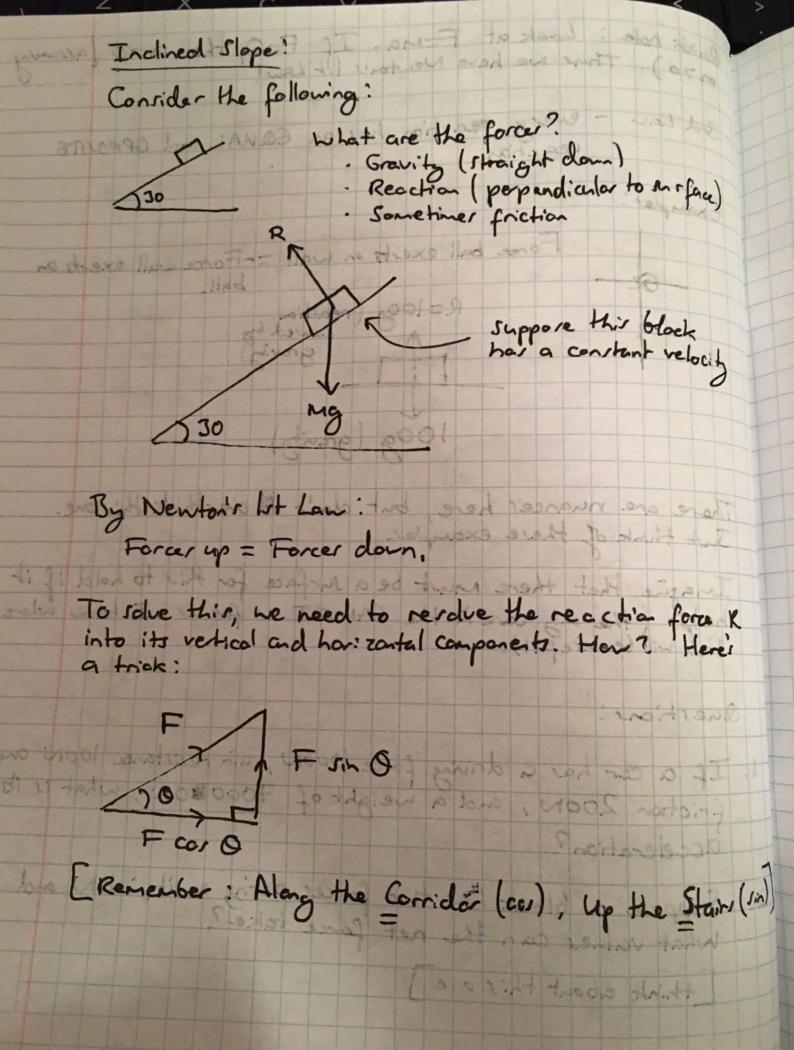
The speed is a constant, the velocity is not.

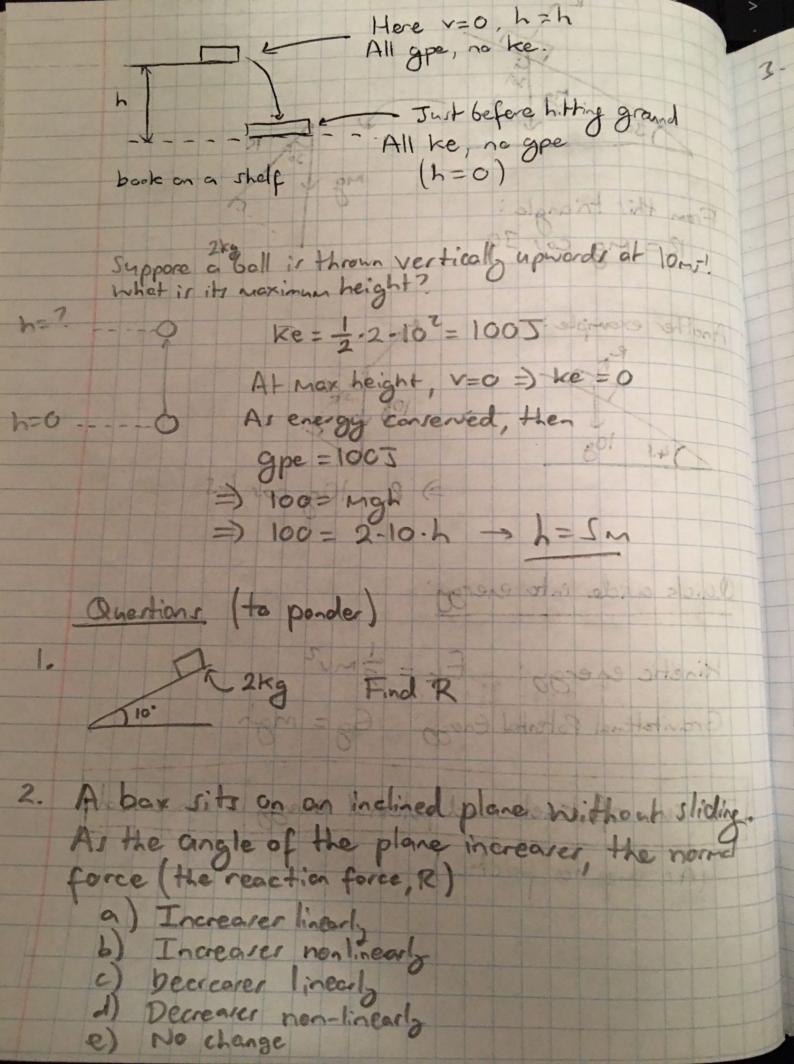




anick note: Look at F=Ma. If F=0 then a=0 (assuming)

m 70). Thus we have Newton's lift Lew! then a=0 (assuming) - every maction has an EQUAL and OPPOSITE Examples: Force ball exerts on wall =-Force wall exerts an ball. R=100g (reachia caured by gravity) 100g (gravity) There are mancer here, but don't the overthink this one.
Just think of these examples. Imagine that there must be a surface for this to hold if it helps (the only care in the GAMSAT as for as a I know where this will be useful). Questions: I. If a car has a driving force looon, air resistance loon and friction 200N, and a weight of 7000 MON, what is its according to 200N, and a weight of 7000 MON, what is its acceleration? 2. Suppose a block has two forces acting on it; IIN and is what values can the net force take? Lthink about this one ]





3. A book is 2kg, what is the final speed of the book before it has the ground?