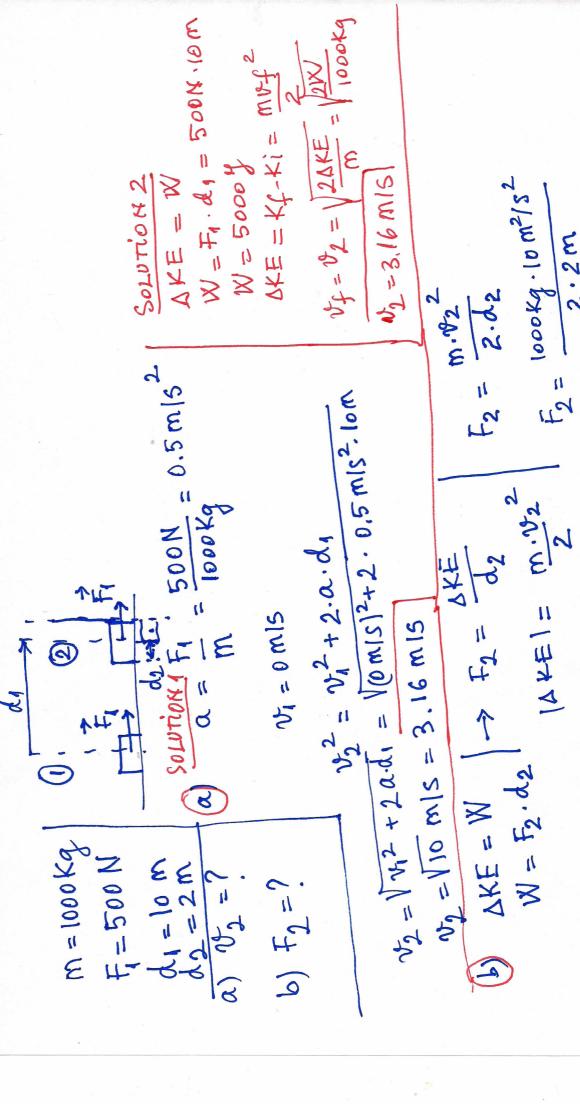
Warm up 03.27.2018

A 1000 kg car is crash-tested against a rigid wall. The car is accelerated by a cable underneath it, which provides a constant force of 500. N for a distance of 10.0 m.

- a. What is the velocity just before it hits the wall?
- b. The car's "crumple zone" crumples 2 m upon impact. What is the force the car experiences upon impact?





F2 = 2500N