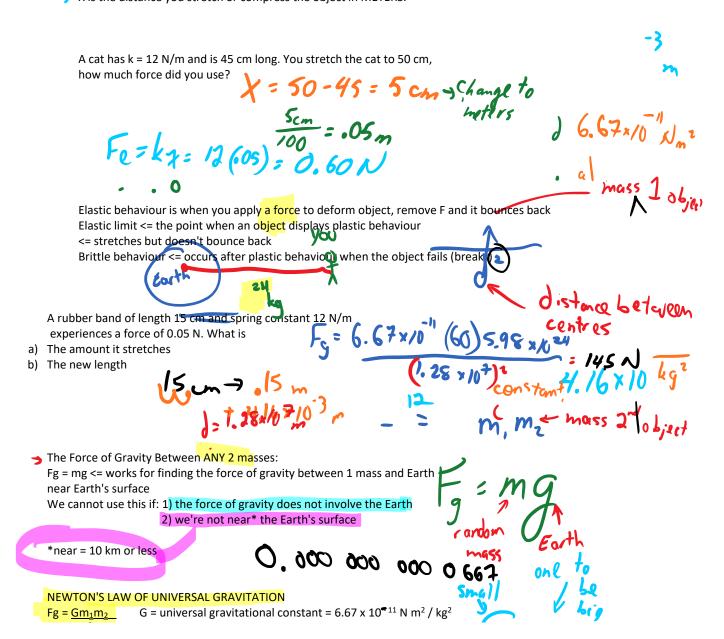


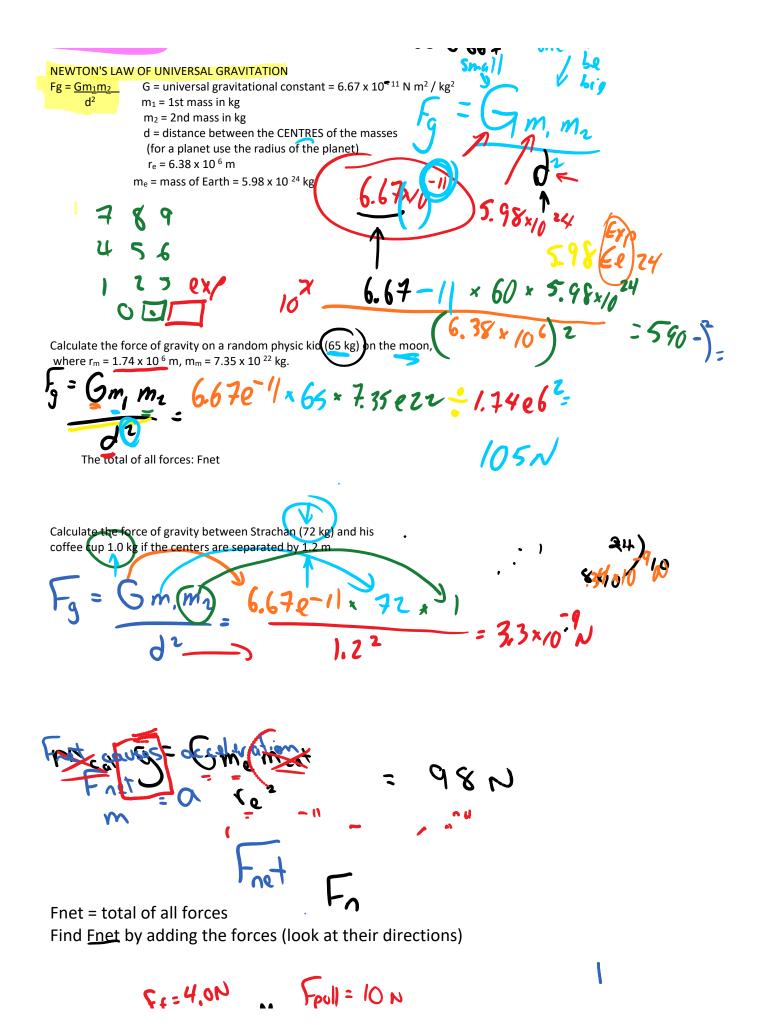
$$F_{f} = \frac{1960}{100} = \frac{1900}{100} = \frac{1900}{100$$

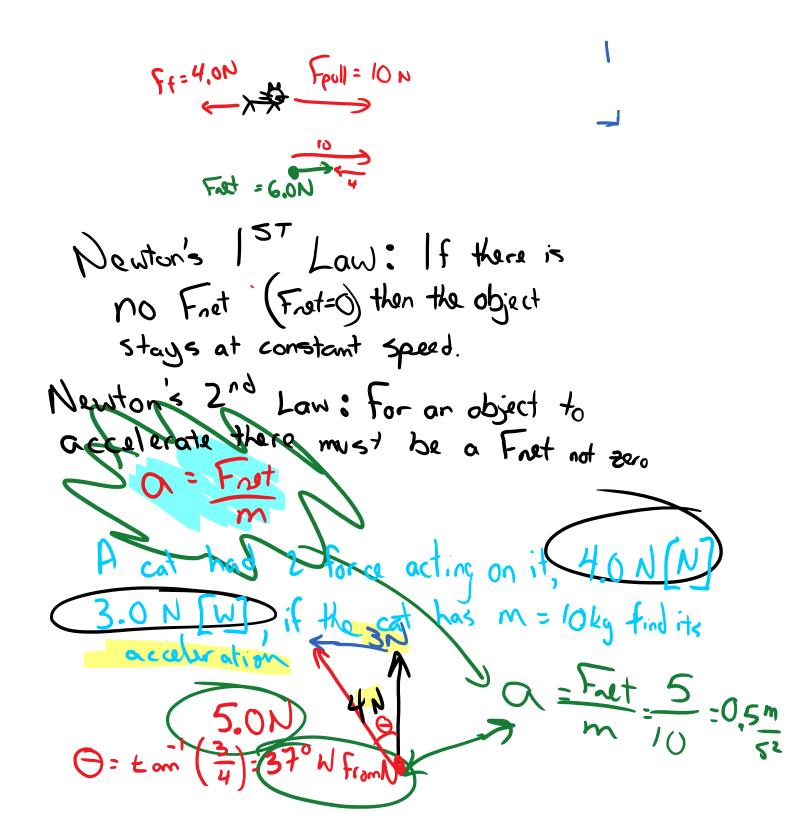
Dry roads have  $\mu = 0.60$ , how many times more force of friction is on a dry road than a wet road?

This is the force which acts to restore the shape of a deformed object

- Fe = kx
- → k spring constant (N/m) and high values (1000's) show a <u>really stiff object</u>, low values (10's) show really stretchy objects.
- > X is the distance you stretch or compress the object in METERS.







A cat is pulled by 3 forces, 10 N [E] 14 N [S], and 24 N [W]. The cat has an acceleration of 2.25 m/s<sup>2</sup> find its mass.

