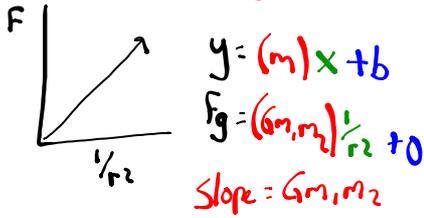
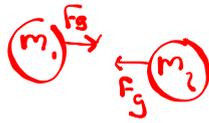
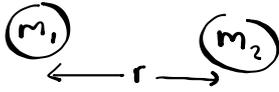


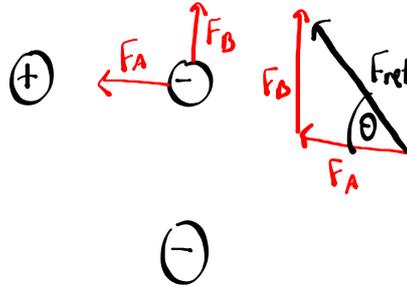
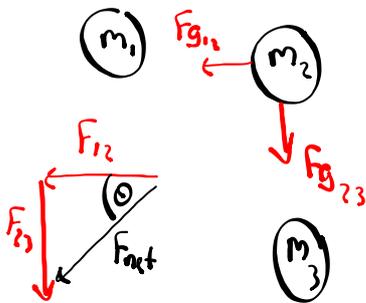
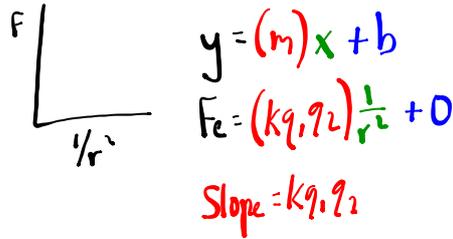
Gravity

$$F_g = \frac{Gm_1m_2}{r^2}$$



Electrostatics

$$F_e = \frac{kq_1q_2}{r^2}$$



$$F_g = \frac{Gm_s m_o}{r^2}$$

$$F_g = g m_o \text{ or } F_g = m_o g$$

Defined $g = \frac{Gm_s}{r^2}$



$$F_e = \frac{kq_s q_o}{r^2}$$

$$F_e = |\vec{E}| q_o \text{ or } F_e = q |\vec{E}|$$

Define $|\vec{E}| = \frac{kq_s}{r^2}$

