

Review

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

$$\vec{E}_a = \frac{\vec{F}_a}{q}$$

$$|\vec{E}_a| = \frac{kq}{r^2}$$

point source charge

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

$$\vec{g} = \frac{\vec{F}_g}{m}$$

$$|\vec{g}| = \frac{Gm}{r^2}$$

point source mass