

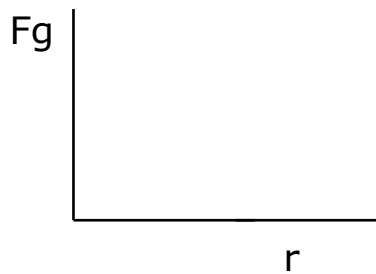
F_g _____ of two masses

F_g	m_1	m_2
100 N	x	y
	2x	y
	2x	3y
	x	4y

$F_g = \frac{G m_1 m_2}{r^2}$ $G =$ Gravitational constant

F	r

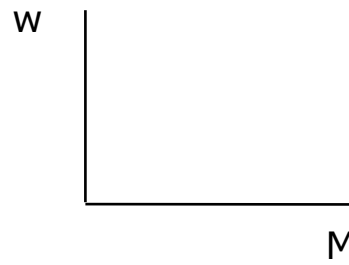
F_g _____ to the _____ of _____ between the object's center of mass



Weight - net _____ on an object

Mass - _____ an object possesses

$$F_g = W = m g$$



slope =

$g =$ _____

Memorize

$\text{_____ N} \approx 1.1 \text{ lbs}$
--

$g =$

Average senior weighs
120lb = _____

Finding acceleration due to gravity using weight

Ex)

A satellite having a mass of 25 kg experiences a gravitational force of 200 N. Find the acceleration due to gravity at this location.