What is a force?

Motion

Force is a vector

Contact

Push

Pull

Non Contact

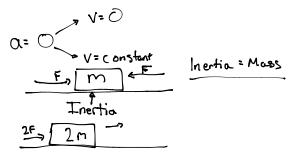
Gravity

Electro-magnetism

(Field)

Newton's Laws

First Law - Law of Inertia



2nd Law $\Sigma F = ma$

kg * m/s^2 Newton **N**

Force causes acceleration Acceleration is caused by force

Gravity Friction Tension Compression

Find a) a

Solve:

$$V_1 = 0$$
 $V_2 = 0$
 $V_3 = 0$
 $V_4 = 0$
 V

a= 2.2 %