F = forwards B = Backwards Forwards · just means a=0 + velocities Constant Speed Backwards just means - velocities Constant Speed Standing a= 0 still 1 No Acceleration I w/ Acceleration a = + speed up a: -Slow down Speed Up SlowDown

BASIC MOTION GRAPHS.

ta -a

+V S. Up. S. Down

-V S. Down S. Up

V{a same sign > speed up opposite sign > slowing down

Renember:

Velocity is the slope of position and so describes the rate at which your position changes.

Acceleration is the slope of velocity and so describes the rate at which your velocity changes.