2/26/16 ACCELERATION

VELOCITY = CHANGING DISPLACEMENT OVER SOME PERIOD OF TIME.

N = d HOW FAST IS MY DISPLACEMENT CHANGING?

ACCELERATION: HOW QUICKLY IS MY VELOCITY CHANGING?

- 1) SPEEDING UP (2, V ARE IN THE)
 SAME DIRECTION
- 2) SLOWING DOWN (a, V ARE IN OPPOSITE)
 DIRECTIONS
- 3) CHANGING DIRECTIONS (215 PERPENDICULAR)

- THINGS THAT ACCELERATE QUICKLY
 AREN'T NECESSARILY MOUNG FAST.
- THINGS THAT ACCELERATE SLOWLY AREN'T NECESSARILY MOUING SLOWLY.

IF YOU KNOW TABLE FOR ACCELERATION

IF YOU KNOW	AND YOU NEED.	USE THIS EQUATION:	UNITS
v, vo, t	a	$a = \frac{(v - v_o)}{t}$	$\frac{m}{5}$ or $\frac{m}{5^2}$ + DIRECTION
a, vo, t		$v = v_o + (a \cdot t)$	177
a, v, t	√ ₀	v₀ = v-(a·t)	
a, Vo, V	t	t= (v-ro)	No DIRECTION