position/velocity/acceleration vs time graphs

|	position	velocity	acceleration
no motion	constant	zero	zero
uniform motion	linear	constant	zero
motion with constant acceleration	exponential	linear	constant
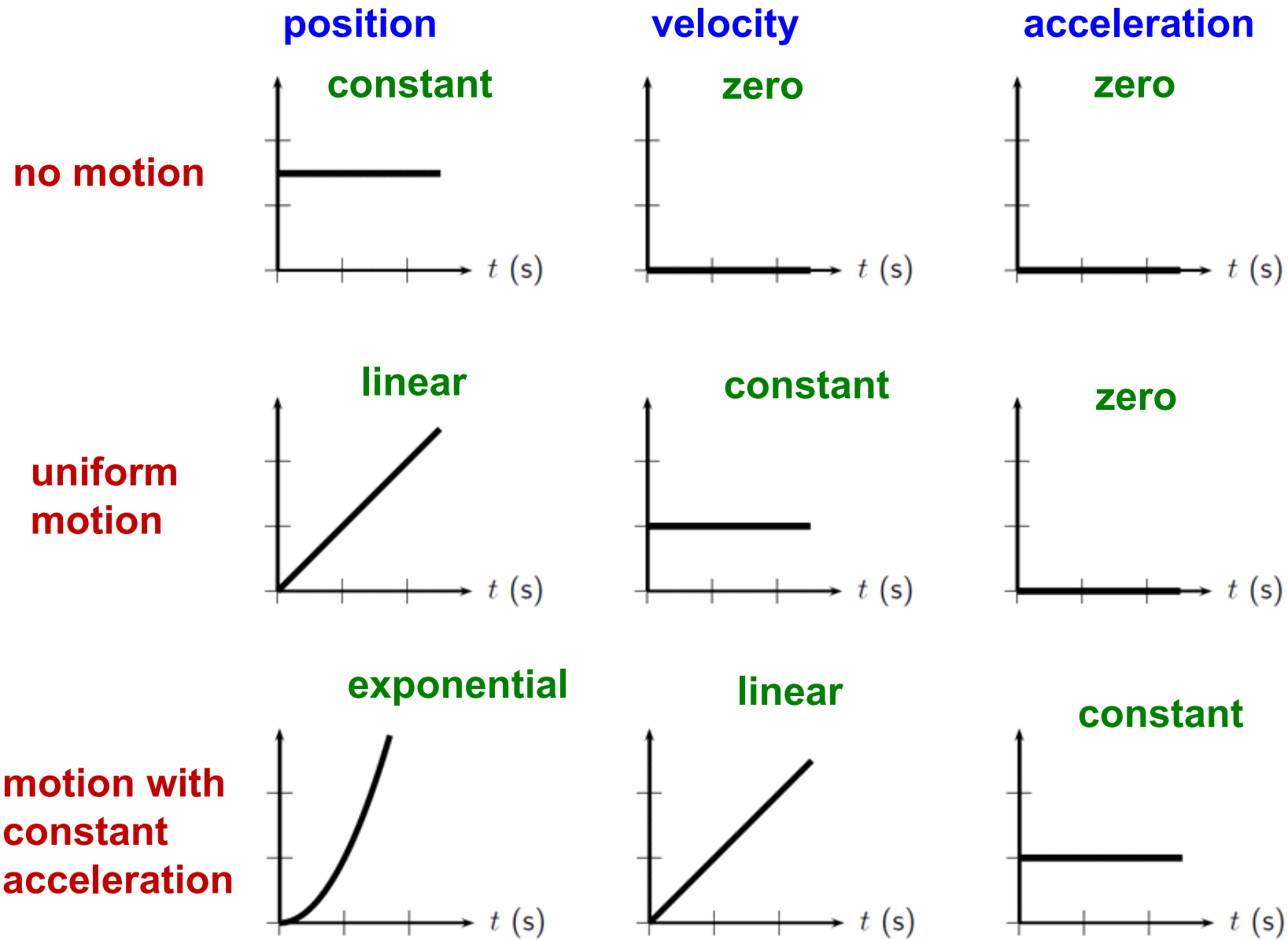
Motion Maps

Direction and Size

- Right = positive direction

- Left = negative direction

- The longer the arrow, the greater the velocity.

SLOW

FASTER

FASTEST

Motion Maps
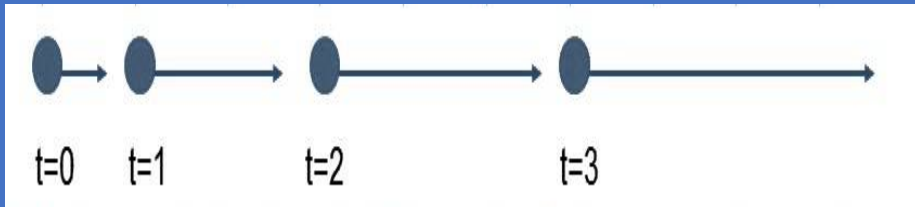
Positive Velocity, Positive Acceleration	Positive Velocity, Negative Acceleration
t=0 t=1 t=2 t=3	
Negative Velocity, Negative Acceleration	Negative Velocity, Positive Acceleration