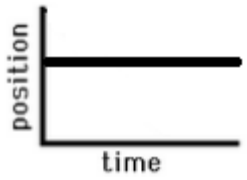
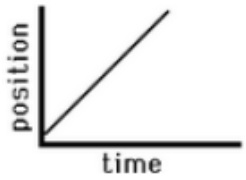
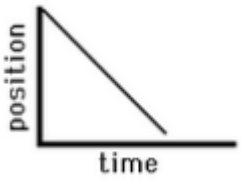
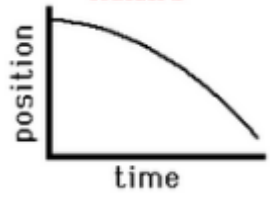
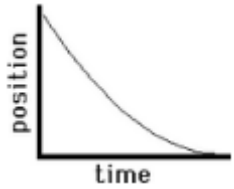
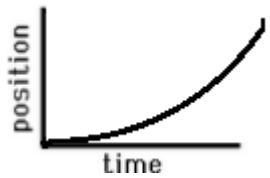
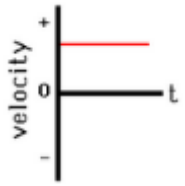
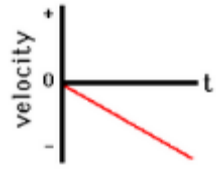
Honors Physics
Flash Cards for Kinematic Graphs

Position Graphs:

Graph	Describe velocity	Describe acceleration
	Not moving	0 acceleration
	Forward, constant velocity	0 acceleration
	Backward, constant velocity	0 acceleration
	Backward, speeding up	– acceleration (acceleration in negative direction)
	Backward, slowing down	+ acceleration (acceleration in positive direction)
	Forward, speeding up	+ acceleration (acceleration in positive direction)
	Forward, slowing down	– acceleration (acceleration in negative direction)

Velocity Graphs:

Graph	Describe velocity	Describe acceleration
	Forward, constant velocity	0 acceleration
	Backward, constant velocity	0 acceleration
	Forward, slowing down	– acceleration (acceleration in negative direction)
	Backward, slowing down	+ acceleration (acceleration in positive direction)
	Forward, speeding up	+ acceleration (acceleration in positive direction)
	Backward, speeding up	– acceleration (acceleration in negative direction)