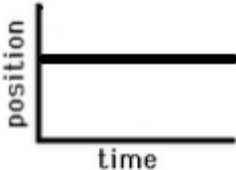
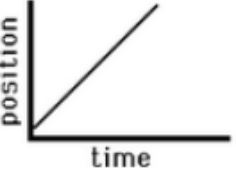
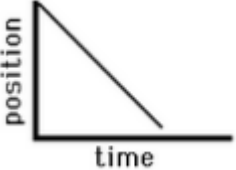
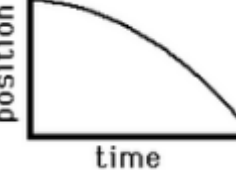
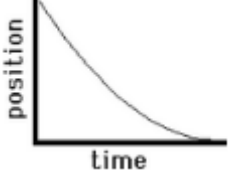
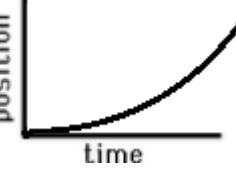

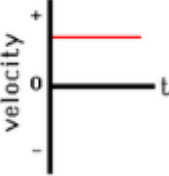
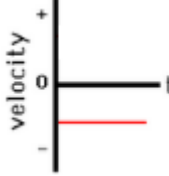



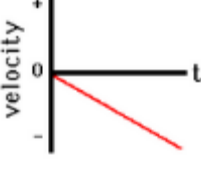


**Honors Physics**  
**Flash Cards for Kinematic Graphs**

**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
 <p>A velocity-time graph with 'velocity' on the vertical axis and 't' on the horizontal axis. The origin is marked '0'. A horizontal red line is drawn in the positive velocity region, indicating constant forward motion.</p>	Forward, constant velocity	0 acceleration
 <p>A velocity-time graph with 'velocity' on the vertical axis and 't' on the horizontal axis. The origin is marked '0'. A horizontal red line is drawn in the negative velocity region, indicating constant backward motion.</p>	Backward, constant velocity	0 acceleration
 <p>A velocity-time graph with 'velocity' on the vertical axis and 't' on the horizontal axis. The origin is marked '0'. A red line starts at a positive velocity value and slopes downward to the t-axis, indicating forward motion that is slowing down.</p>	Forward, slowing down	- acceleration (acceleration in negative direction)
 <p>A velocity-time graph with 'velocity' on the vertical axis and 't' on the horizontal axis. The origin is marked '0'. A red line starts at a negative velocity value and slopes upward to the t-axis, indicating backward motion that is slowing down.</p>	Backward, slowing down	+ acceleration (acceleration in positive direction)
 <p>A velocity-time graph with 'velocity' on the vertical axis and 't' on the horizontal axis. The origin is marked '0'. A red line starts at the origin and slopes upward, indicating forward motion that is speeding up.</p>	Forward, speeding up	+ acceleration (acceleration in positive direction)
 <p>A velocity-time graph with 'velocity' on the vertical axis and 't' on the horizontal axis. The origin is marked '0'. A red line starts at the origin and slopes downward, indicating backward motion that is speeding up.</p>	Backward, speeding up	- acceleration (acceleration in negative direction)