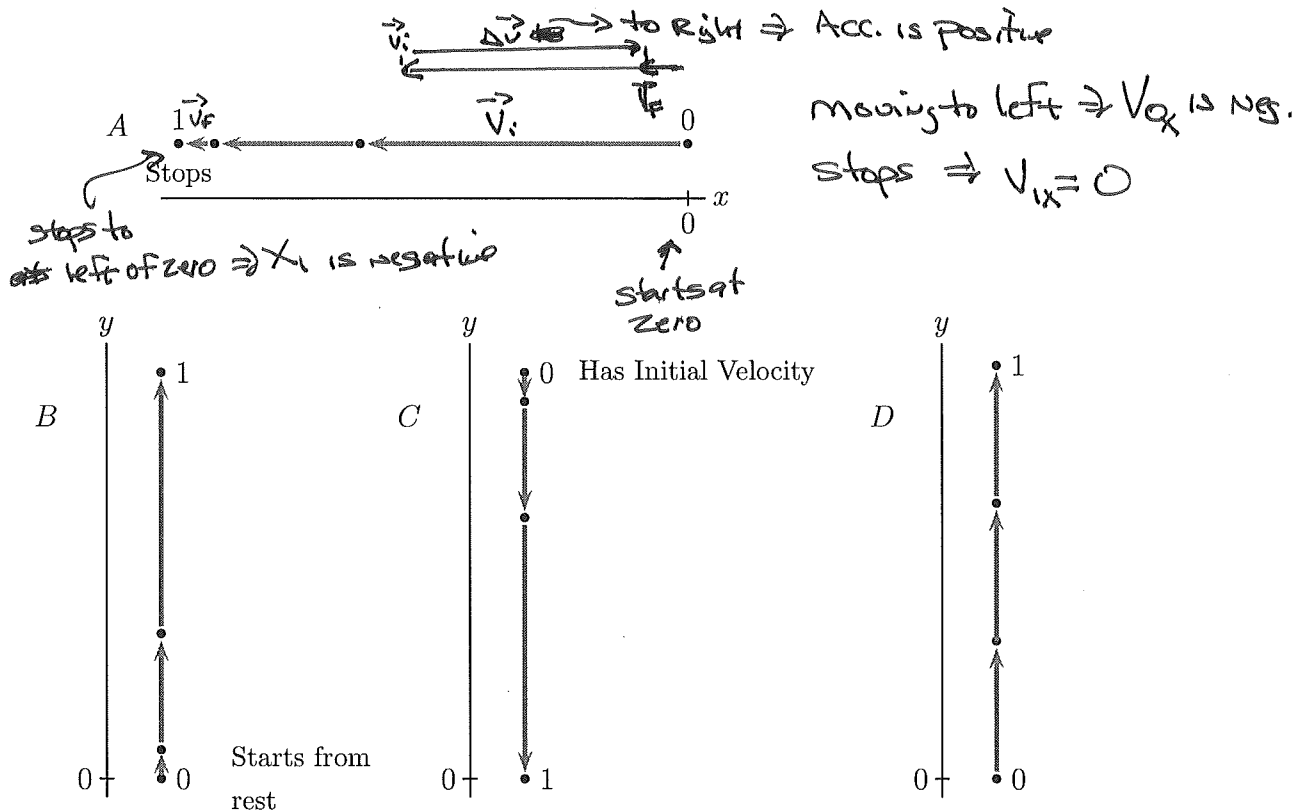


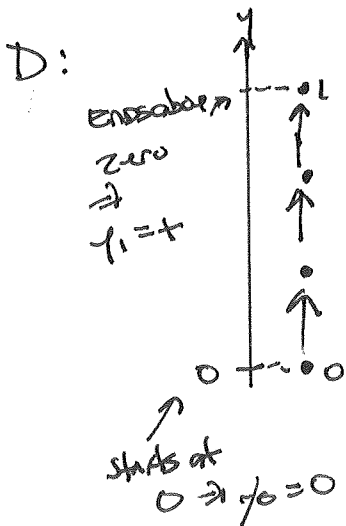
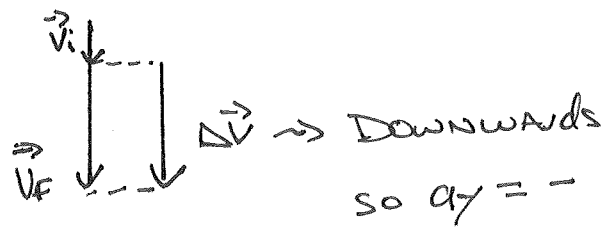
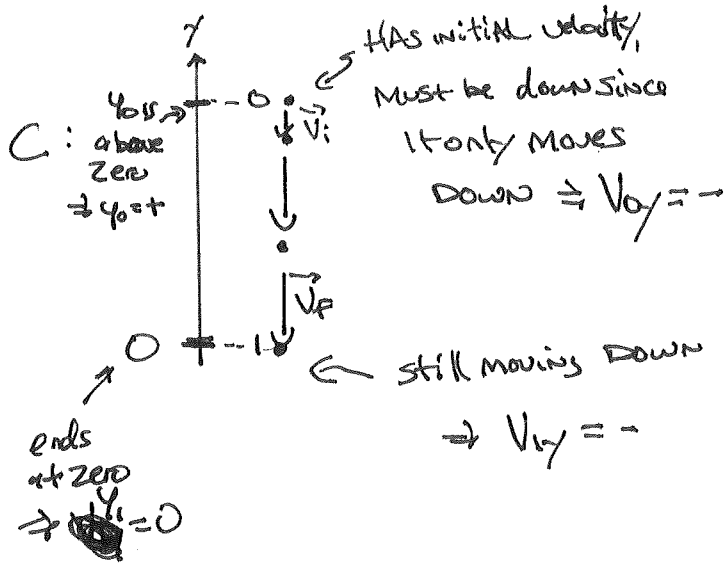
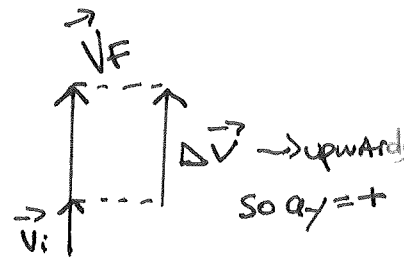
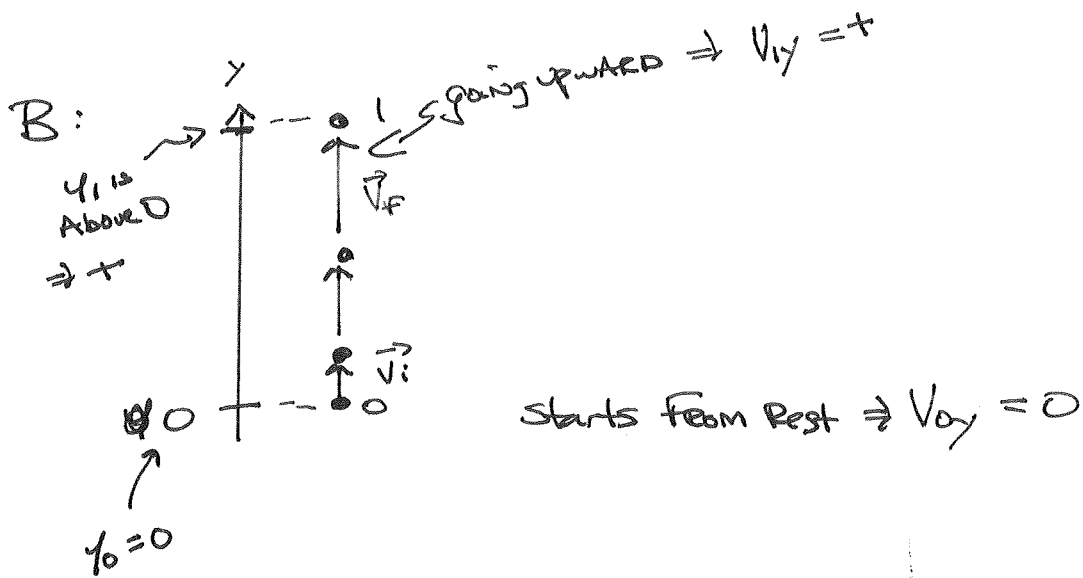
2.4 - Acceleration

- (1.) The motion diagrams below show objects undergoing constant acceleration motion. The diagrams also have labeled an initial point 0 and a final point 1. Determine whether the initial position, final position, initial velocity, final velocity, and acceleration values are positive, negative, or zero. Give your answers by writing +, -, or 0 in the table below.



	A	B	C	D
x_0 OR y_0	0	0	+	0
x_1 OR y_1	-	+	0	+
v_{0x} OR v_{0y}	-	0	-	+
v_{1x} OR v_{1y}	0	+	-	+
a_x OR a_y	+	+	-	0

The Rest ~~ARE~~ ARE
EXPLAINED ON
NEXT PAGE



EQUALLY SPACED \Rightarrow UNIFORM MOTION

$\Rightarrow v_{oy} = v_{iy}$. upward $\Rightarrow v_{oy} = v_{iy} = +$

AND $v_{iy} - v_{oy} = 0 \Rightarrow \Delta v = 0 \Rightarrow a_y = 0$