MATCHBOX CAR LAB Name:_____

Track Length: Data Sheet

Height #1 (in m): Distance #1 (in m):

Run	Gate #1 Time (Start)	Gate #2 Time (Stop)	Total Time
1			
2			
3			

Angle #1 = Arcsine (Height/Track Length) =

Acceleration #1 = 2 x Distance / Total Time^2 =

Height #2 (in m): Distance #2 (in m):

Run	Gate #1 Time (Start)	Gate #2 Time (Stop)	Total Time
1			
2			
3			

Angle #2 = Arcsine (Height/Track Length) =

Acceleration #2 = 2 x Distance / Total Time^2 =

Height #3 (in m): Distance #3 (in m):

Run	Gate #1 Time (Start)	Gate #2 Time (Stop)	Total Time
1			
2			
3			

Angle #3 = Arcsine (Height/Track Length) =

Acceleration #3 = 2 x Distance / Total Time^2 =

Height #4 (in m): Distance #4 (in m):

Run	Gate #1 Time (Start)	Gate #2 Time (Stop)	Total Time
1			
2			
3			

Angle #4 = Arcsine (Height/Track Length) =

Acceleration #4 = 2 x Distance / Total Time^2 =

Height #5 (in m): Distance #5 (in m):

Run	Gate #1 Time (Start)	Gate #2 Time (Stop)	Total Time
1			
2			
3			

Angle #5 = Arcsine (Height/Track Length) =

Acceleration #5 = 2 x Distance / Total Time^2 =