## Calculating Slope of a Line



# Position-Time Graphs The slope represents the average velocity



# Calculating Slope of a Line slope = <u>rise</u> run

"rise" → change in distance
"run" → change in time

# **Units for Slope**

 If the position is given in meters and the time is given in seconds, then the units will be

m/s



### **Position-Time Graph**



#### Straight line = constant slope = constant velocity



Flat line = zero slope = zero velocity



#### Curved line = changing slope = changing velocity = ACCELERATION





# Best fit

