Position vs Time Plots

- Gives location at any time.
- Displacement is change in position.
- Slope gives <u>instantaneous</u> velocity.

x (m)

3

Position at t=3, x(3) = 1

Displacement between t=5 and t=1. Δx = -1.0 m

1.0 m - 2.0 m = -1.0 m

t

4

-3

<u>Average</u> velocity between t=5 and t=1. v = -0.25 m/s

-1 m / 4 s = -0.25 m/s