

Introduction to Tracker (20 pts)

- Position vs. time graph (4 pts)
- Position vs. time function (1 pt)
- Velocity vs. time graph (3 pts)
- Acceleration vs. time graph (3 pts)

20a. Velocity with units (2 pts)

20b. The speed or velocity or distance per time of the cart (1 pt)

20c. The position graph slope is constant and positive; the velocity graph value is constant and positive (1 pt)

20d. The velocity graph slope is zero; the acceleration value is zero (1 pt)

20e. If pushed right-to-left, the position slope would be negative and the velocity line would be below the x-axis. (2 pts)

20f. If pushed faster, the position slope would be steeper and the velocity line would be higher along the y-axis. (2pts)

1pt extra for stating that the acceleration graphs in 20e and 20f would remain at zero.