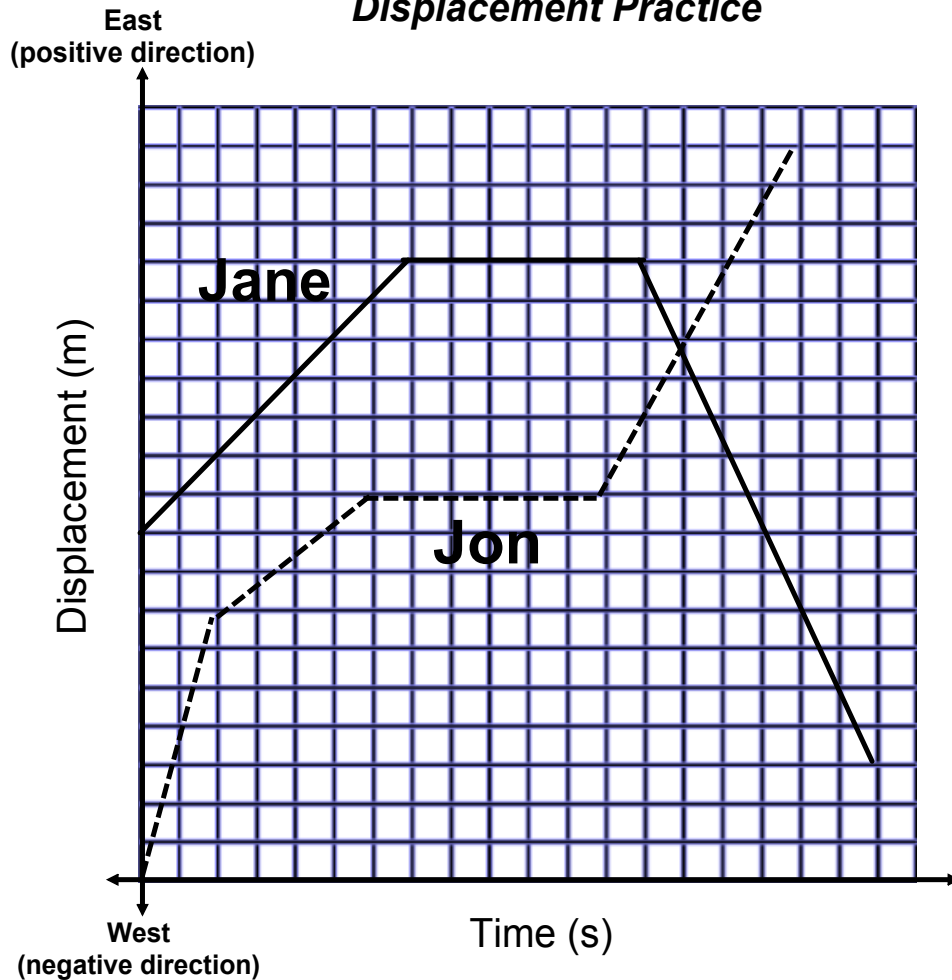


## Displacement Practice



- What initial velocity did each person start off with?
- What was the final velocity of each person?
- How long after the start did Jane change direction?
- At what time were both people at the same location?
- What was the total distance traveled by each person?
- What was the final displacement of each person?
- What was Jon's instantaneous speed at the 5.33 s mark?
- What was each person's average velocity for the entire trip?
- What was each person's average speed for the entire trip?
- Sketch the graph of a third person who starts 2m [E] from the origin and runs 3 m/s [E] for three seconds, stops for two seconds, runs 2 m/s [W] for three seconds, and finally sprints 6 m/s [E] for two seconds.