Name _____ Class _____ Date _____

Quick Lab

DATASHEET B

Slope and Speed

PROCEDURE

1. Put a piece of **tape** 3 m long on the floor. Use tape and a **meterstick** to mark the line at 0 m, 1 m, 2 m, and 3 m.
2. Choose one person to be the walker. The walker starts at 0 m, walks forward on the line for 3 m, stops for a short time, and then walks backward for 2 m. The whole trip should take about 1 min.
3. Choose a second person to be the timer. The timer uses a **stopwatch** to measure the time at which the walker stops at 3 m, starts moving backward, and stops again at 1 m.
4. The third person in your group is the recorder. The recorder writes down the times called out by the timer.
5. Conduct the procedure, and collect your data.
6. Plot the position and time data on a graph.

7. Determine the slope of each part of the graph. Be sure to include the correct units.

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8. What does the slope of each part represent?

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