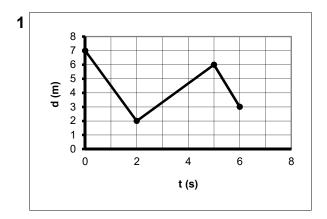
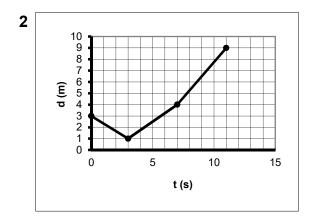
Distance-Time Graphs

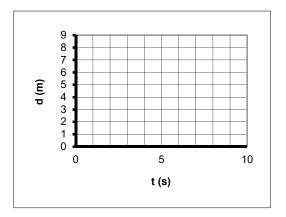
For #1 and 2, describe the motion of the object. For #3 and 4, draw the distance-time graphs.



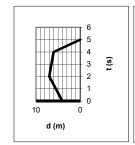


- **3** The object starts at 4 m from the wall. It moves away from the wall at a speed of 1.5 m/s for 2 s until it is 7 m from the wall. It turns around and moves towards the wall at a speed of 0.5 m/s for 2 s until it is 6 m from the wall. It then moves towards the wall at a speed of 6 m/s for 1 s until it is at the wall.

4 The object starts at 8 m from the wall. It moves towards the wall at a speed of 2.5 m/s for 2 s until it is 3 m from the wall. It then moves towards the wall at a speed of 0.5 m/s for 2 s until it is 2 m from the wall. It then moves towards the wall at a speed of 1 m/s for 2 s until it is at the wall.



of 2.5 m/s for 2 s until it is 2the wall at a speed of 3 m/s towards the wall at a speed around and moves towards from the wall at a speed of The object starts at 7 m 1.33 m/s for 3 s until it is 6 at a speed of 0.67 m/s for at a speed of 0.75 m/s for starts at 3 m from the wal moves away from the wal It moves towards the wall or 1 s until it is 3 m from wall. It turns around and m from the wall. It turns around and moves away m from the wall. It turns the wall. //2. The object rom the wall. It moves s until it is 1 m from the



wall. It then moves away

