

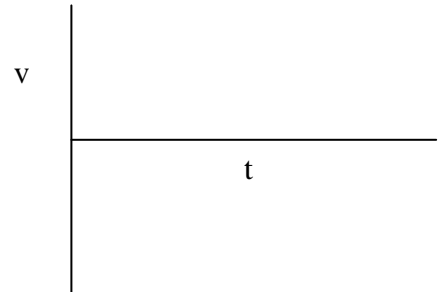
Name _____

Physics

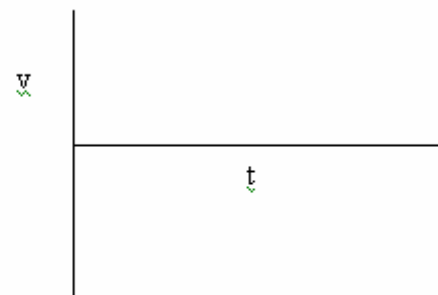
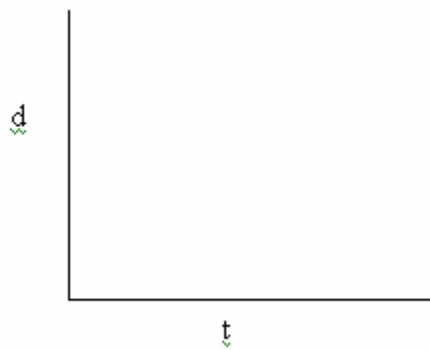
Review of d/t and v/t motion graphs

Directions: Create the corresponding graphs for each of the motions described below. Use a ruler and draw good lines.

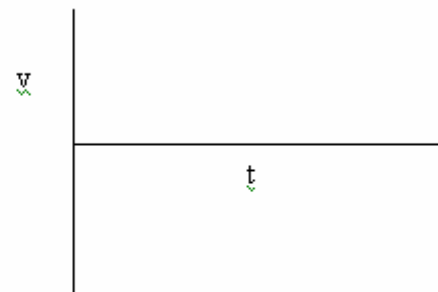
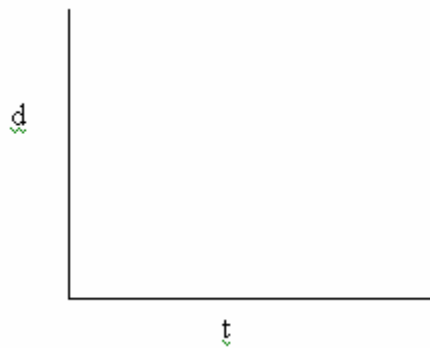
1. Move away with a constant velocity



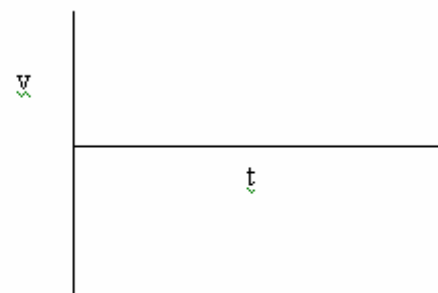
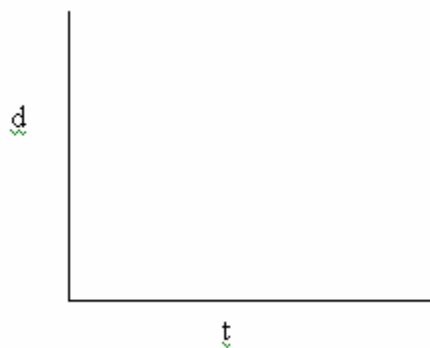
2. Move away with an increasing velocity



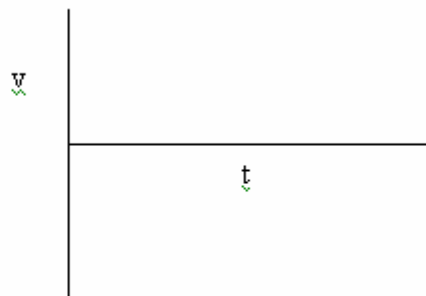
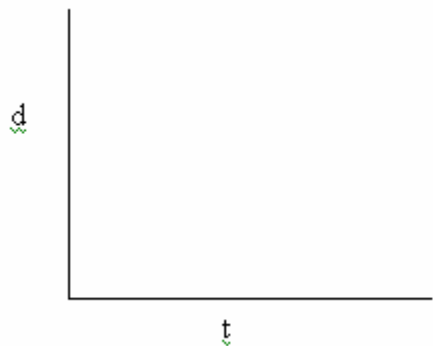
3. Move away with a decreasing velocity



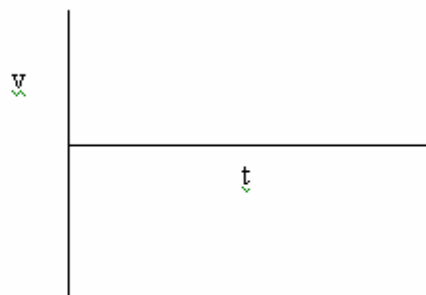
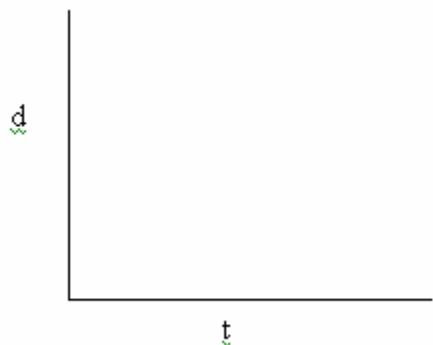
4. Move towards the origin with an increasing velocity



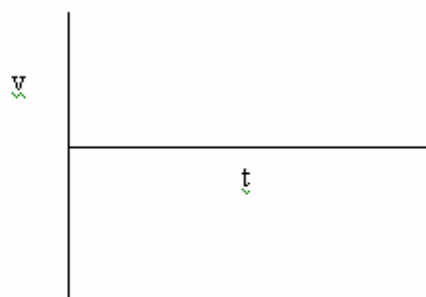
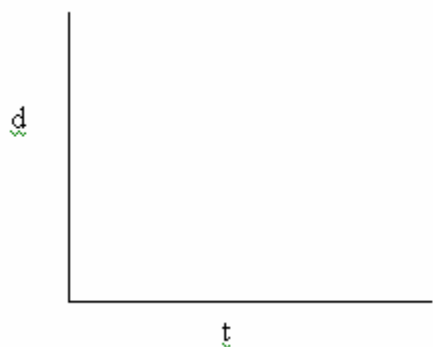
5. Move towards the origin with a decreasing velocity



6. Move towards the origin with a constant velocity



7. Move away slowly then return to the origin twice as fast (both at constant velocity)



8. Create graphs for the following continuous motion (use attached graph paper)

- Move away from the origin at 4 m/s for 2 seconds
- Change velocity to 6 m/s for 6 seconds
- Stand still for 3 seconds
- Move towards the origin at 3 m/s for 5 seconds
- Stand still for 2 seconds