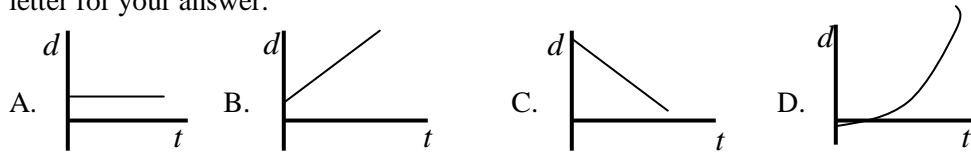


# Kinematics Graphs

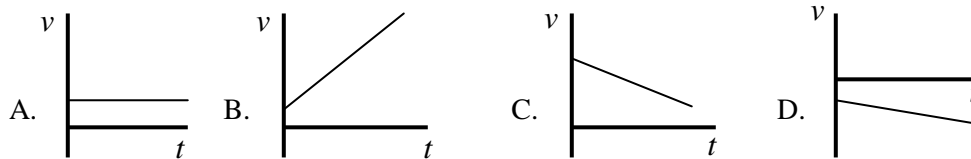
Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

Use the following **position vs. time** graphs for the next five questions. You may have more than one letter for your answer.

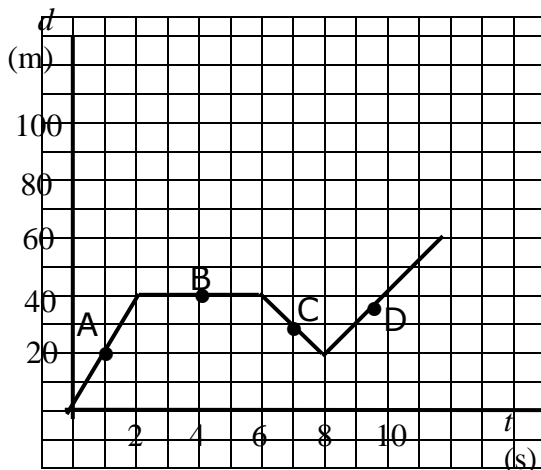


- \_\_\_\_\_ 1. Which graph(s) show(s) uniform motion (constant velocity)? B & C
- \_\_\_\_\_ 2. Which graph(s) show(s) no motion? A
- \_\_\_\_\_ 3. Which graph(s) show(s) negative velocity? C
- \_\_\_\_\_ 4. Which graph(s) show(s) a positive displacement? B & D
- \_\_\_\_\_ 5. Which graph(s) show(s) a changing velocity? D

Use the following **velocity vs. time** graphs for the next three questions



- \_\_\_\_\_ 6. Which graph(s) show(s) uniform motion? A
- \_\_\_\_\_ 7. Which graph(s) show(s) no acceleration? A
- \_\_\_\_\_ 8. Which graph(s) show(s) motion in the negative direction? D



Using the position vs. time graph to the left, answer the following questions. Assume right to be the positive direction, left to be negative

- \_\_\_\_\_ 9. At point A, the object is (a) **moving right** (b) moving left (c) stopped (d) accelerating
- \_\_\_\_\_ 10. At point B, the object is (a) moving right (b) moving left (c) **stopped** (d) accelerating
- \_\_\_\_\_ 11. At point C, the object is (a) moving right (b) **moving left** (c) stopped (d) accelerating
- \_\_\_\_\_ 12. At point D, the object's velocity is (a) 2 m/s (b) 4 m/s (c) 5 m/s (d) **10 m/s**

Using the velocity graph

to the right, answer the following questions

- \_\_\_\_\_ 13. At point D, the object is (a) moving right (b) **moving left** (c) decreasing its speed (d) below ground level
- \_\_\_\_\_ 14. At point C, the object is (a) moving right (b) moving left (c) **stopped** (d) going downhill
- \_\_\_\_\_ 15. At point B, the object is (a) **moving right** (b) moving left (c) stopped (d) accelerating
- \_\_\_\_\_ 16. The displacement of the object at point C is **120m**

