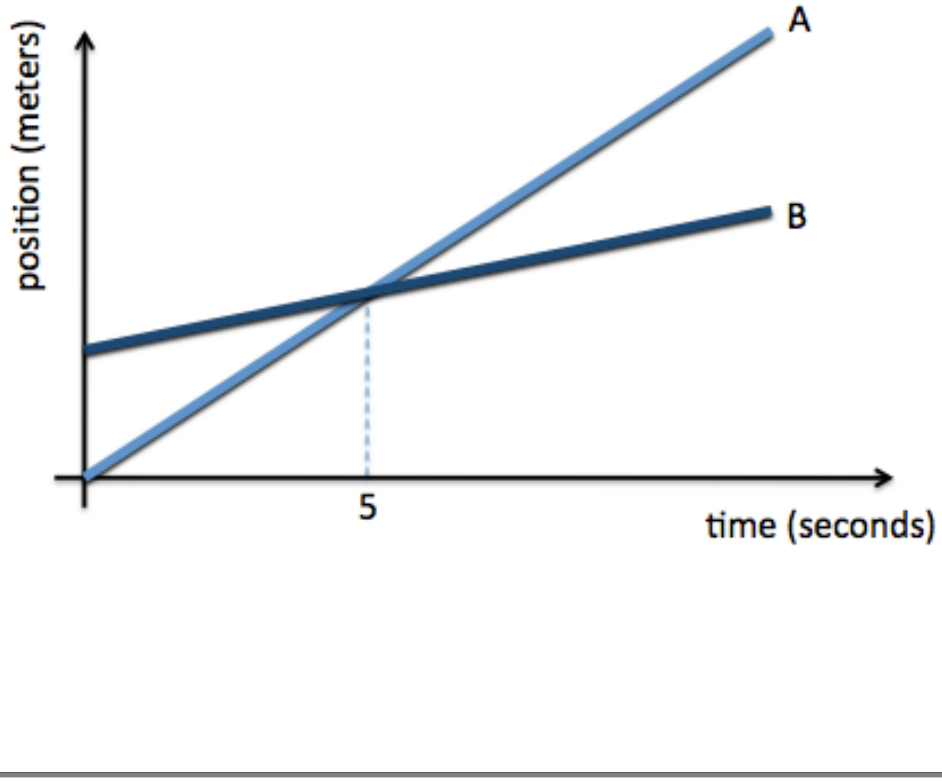
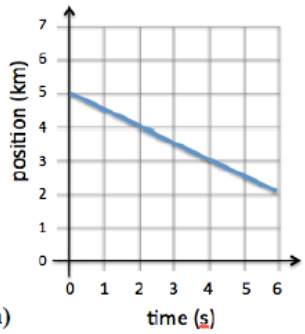
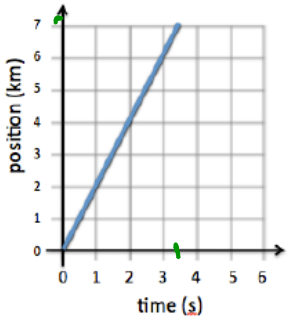



Oct 4-12:16 PM

6. What is the velocity of the object? (Include a direction)



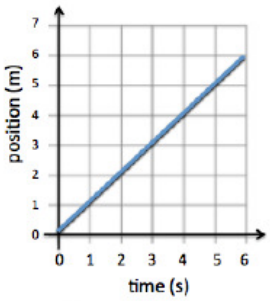

7. What is the velocity of the object? (Include a direction)

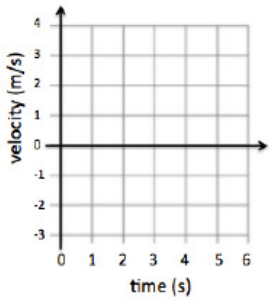



Oct 4-12:17 PM

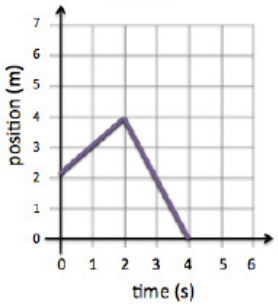
**Draw the velocity vs time graph for an object whose motion is shown in the position vs time graphs shown below.**

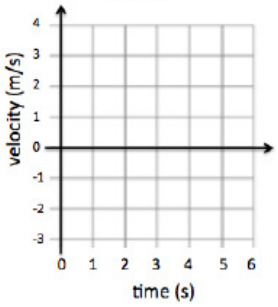
**8.**




**9.**

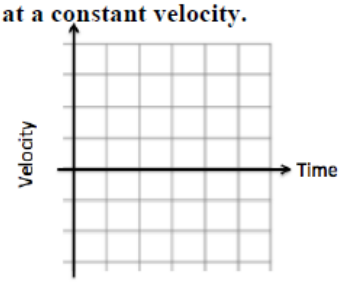


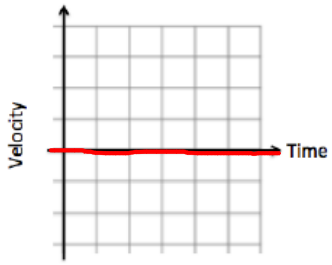

Oct 4-12:17 PM

**Sketch the velocity vs time graphs corresponding to the following descriptions of the motion of an object.**

**10. The object is moving away from the origin at a constant velocity.**

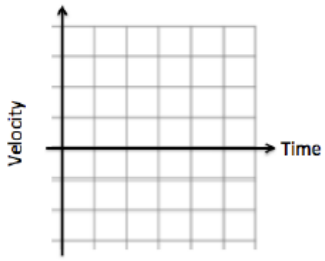



**11. The object is not moving.**

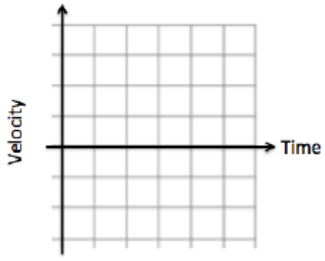



Oct 4-12:18 PM

12. The object moves towards the origin at a constant velocity for 10 seconds and then stands still for 10 seconds.

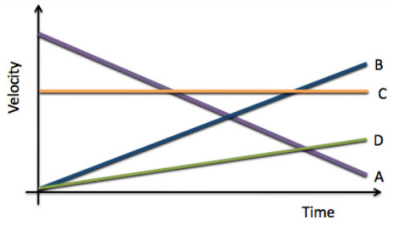



13. The object moves away from the origin at a steady speed for 10 seconds, reverses direction and moves back towards the origin at the same speed.




Oct 4-12:19 PM

Consider the velocity vs time graph below that represents the motion of four different cars.




14. Which, if any, object is moving in a positive direction and gaining speed at a slow rate?

15. Which, if any, object is moving in a negative direction and losing speed?

16. Which, if any, object is traveling at a constant velocity in a positive direction?

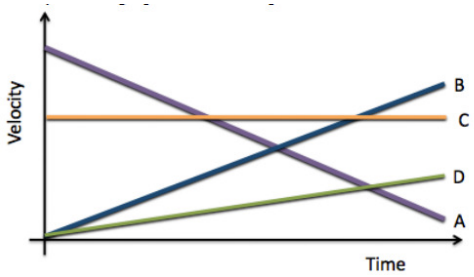
17. Which, if any, object is at rest?

18. Which, if any, object is moving in a positive direction but losing speed?

19. Which, if any, object is moving in a positive direction and gaining speed at a fast rate?

20. Which object reaches the fastest speed in any direction at any time?

Oct 4-12:19 PM




17. Which, if any, object is at rest?

18. Which, if any, object is moving in a positive direction but losing speed?

19. Which, if any, object is moving in a positive direction and gaining speed at a fast rate?

20. Which object reaches the fastest speed in any direction at any time?

Oct 4-12:44 PM