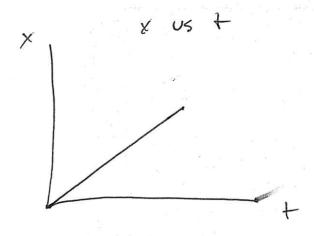
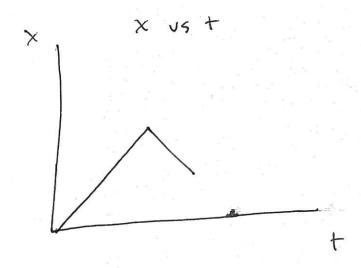
Name:	Answer	Ken	_ Period:	Date:	agas — a sang — g g a spana spil s — a sang — g g a spana spil s
Standards:	P.D.01	P.D.02	P.D.03	P.D.04	P.D.05
.D.06	P.D.07	P.D.14	P.D.15	_ P.D.17	P.D.19
G.D.67	: -				

Unit 1 Test

1. Draw a position vs. time graph where the distance and displacement are the same. P.D.01



2. Draw a position vs. time graph where the distance and displacement are different. P.D.01



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P.D.0)1			

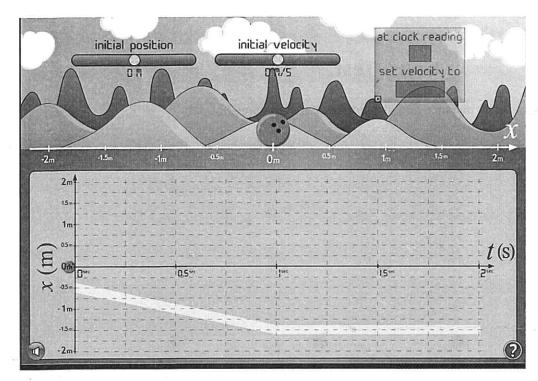
3	What values will make the graph below work? Fill in the blanks. P.D.02
J.	Wilde values will make the Braph select work. The tre stands i is to

Initial Position: _ - , 5 m

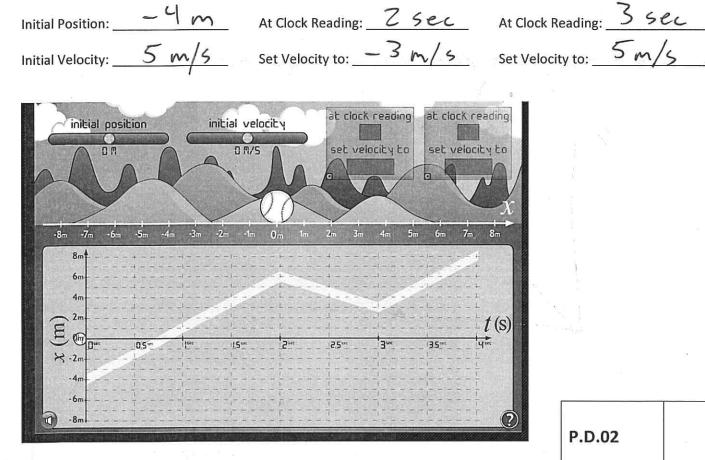
At Clock Reading: ___

Initial Velocity:

Set Velocity to:

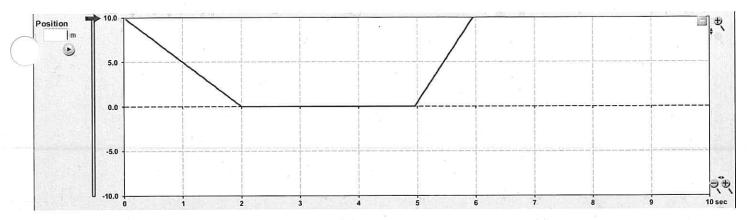


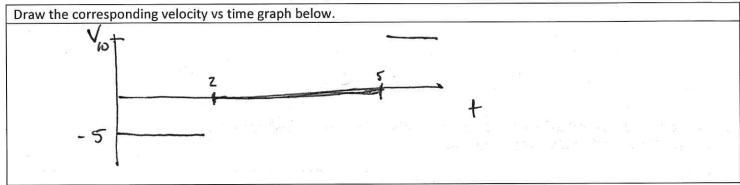
What values will make the graph below work? Fill in the blanks. P.D.02



P.D.02

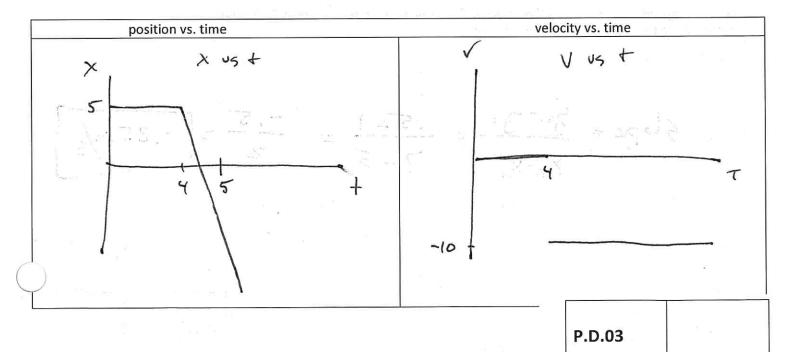
5. For the position vs. time graph below: P.D.03

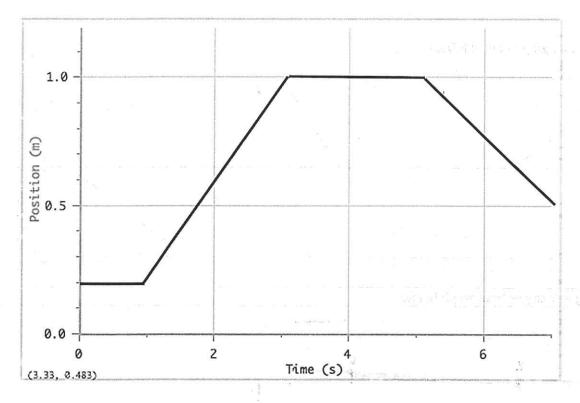




In words, describe the motion of the object.

6. For following written description, draw the corresponding position vs. time and velocity vs. time graphs: P.D.03 An object stays at rest at the position of 5 meters for 4 seconds. It then travels with a velocity of -10 m/s for 15 seconds.





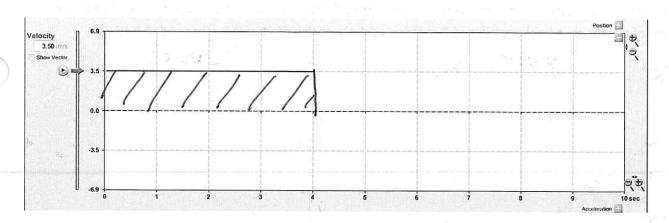
7. For the graph above, determine the velocity of the object between 1-3 seconds. P.D.04 SHOW ALL OF YOUR WORK FOR FULL CREDIT.

Slope =
$$\frac{3z-31}{x_z-x_1} = \frac{1-.7}{3-1} = \frac{.8}{z} = \left[\frac{.4m}{s}\right]$$

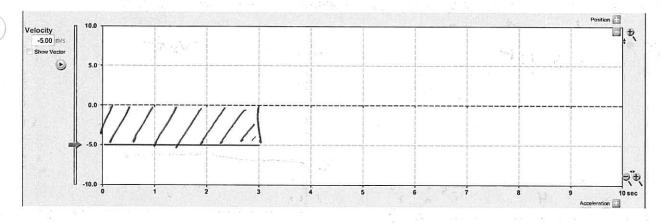
For the graph above, determine the velocity of the object between 5-7 seconds. P.D.04 SHOW ALL OF YOUR WORK FOR FULL CREDIT.

Slope =
$$\frac{y^2-y_1}{x_2-x_1} = \frac{-.5}{7-5} = \frac{-.5}{2} = [-.25 \text{ m/s}]$$

P.D.04		

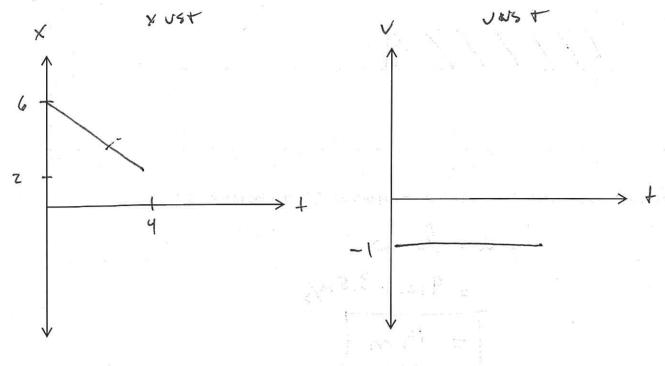


9. Based on the v vs t graph above, what is the final position of the moving man? P.D.05

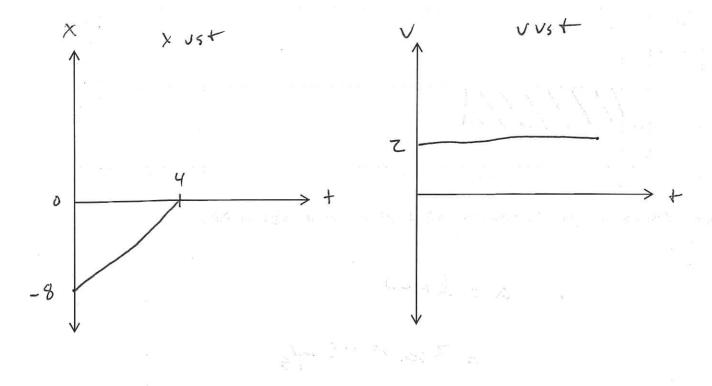


10. Based on the v vs t graph above, what is the final position of the moving man? P.D.05

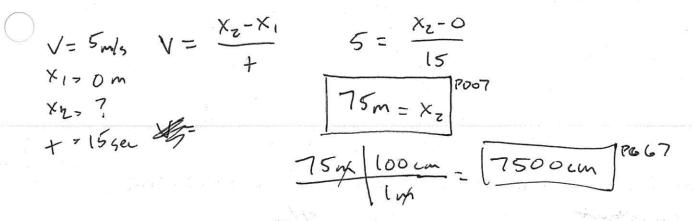
11. Create a x vs t (position vs time) graph and a v vs t (velocity vs time) graph for an object with an initial position of 6 meters, a final position of 2 meters, and a velocity of -1 meters/second. P.D.06



12. Create a x vs t (position vs time) graph and a v vs t (velocity vs time) graph for an object with an initial position of -8 meters, a final position of 0 meters, and a velocity of 2 meters/second. P.D.06

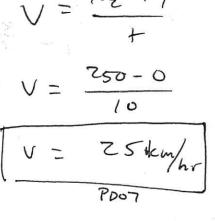


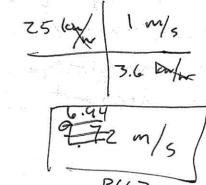
13. A deer runs at a constant velocity of 5 m/s North. How far can the deer run in 15 seconds? Express your final answer in centimeters. Show all of your work for full credit. P.D.07, P.G.67



14. A car travels 250 km South on a straight road for 10 hours. What is its velocity? Express your answer in m/s. Show all of your work for full credit. P.D.07, P.G.67

$$V = ?$$
 $X_1 = 0 \text{ km}$
 $X_2 = 250 \text{ km}$
 $V = 10 \text{ hr}$
 $V = 10 \text{ km}$





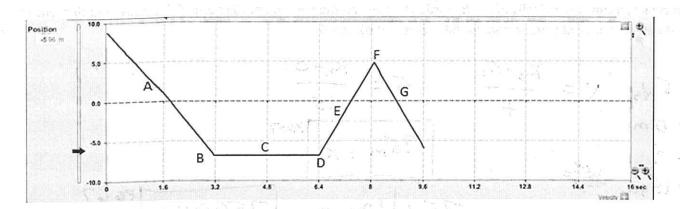
15. In your own words- describe what velocity is and give an example: P.D.14

- change in position over time - speed of sweether

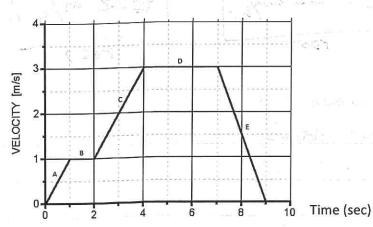
16. In your own word- describe what acceleration is and give an example: P.D.14

- chage in velocity over thre

P.D.07		
	*.	l



- 17. From the Position vs. Time graph above indicate where the velocity was constant or changing. P.D.15
 - A: Constant



- 18. From the Velocity vs. Time graph above indicate where the acceleration was positive, negative, or zero. P.D.17

 - B: Zero

 C: positive

 D: Zero

 E: Negative

- P.D.15

P.D.17

19. Jeremy is riding his bike down a straight road at 3 m/s when he accelerates at a constant rate for 5 seconds until he reaches a velocity of 6 m/s. What is his acceleration? Show all of your work for full credit. P.D.19

$$V_z = V_1 + at$$
 $6 = 3 + a(5)$
 $3 = 5a$
 $\frac{1}{6m/s^2} = a$

20. A car moving at 18 m/s accelerates at -2.5 m/s² as it approaches a stop sign. How long does it take the car to come to a complete stop? Show all of your work for full credit. P.D.19

$$X_{1} = 0m$$
 $X_{2} = 7$
 $V_{1} = 18 m/s$
 $V_{2} = 0 m/s$
 $0 = -2.5 m/s^{2}$
 $t = 7$

$$V_z = V_1 + a + t$$

$$0 = 18 + (-2.5) + t$$

$$-18 = -2.5 + t$$

$$7.2sec = +$$

en Branco de la Santa de Cara d La composição de Cara d La composição de Cara de Cara

ರ್ಯಗಳ ಕರ್ನಾಟಕ್ಕೆ ಮೊದಲಿಗೆ ಅರ್ಥ ಗಿತ್ತವೆ ಮೊದಲಾಗುವ ಕರ್ನಿಸಿ ಸಮಿಸುಕೊಂಡುವು ಜನೆಕೆಯುವ ಸಂಸ್ಥೆಯ ನಿರ್ವಹಿಸಿದೆ. ಗಿರ್ವರ್ಗ ಪ್ರಾಥಾಗಿ ಕರ್ನಾಟಕ್ಕೆ ಮಾಡುವುದು ಅವರ ಸ್ಥಾಪಕ್ಕೆ ಸ್ಥಾಪಕ್ಕೆ ಮಾಡುವುದು ಅವರ ಸ್ಥಾಪಕ್ಕೆ ಮಾಡುವುದು ಅವರ ಸ್ಥಾಪಕ್ಕೆ ಮಾಡುವುದು ಅವ

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