

March 31 Gradekeeper Type Report

April 1 AM PT *No Sch w/f.*

April 13 (Wed.) Report Cards

April 14 (Thur.) Evening PT

Physics 112

Thursday, March 3/16

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Explain That Stuff - March 4/16

1. Directions of Velocity and Acceleration - To Be Continued
2. Types of Motion: Uniform and Uniformly Accelerated Motion
3. **Assignment: U1-S1 -> March 4/16**
4. Unit 1 - Section 2: Graphical Analysis
5. Position-Time Graphs -> To Be Continued

6. Velocity-Time Graphs



Page 63 - Conceptual Problems
- Use Figures 2.19 and 2.20

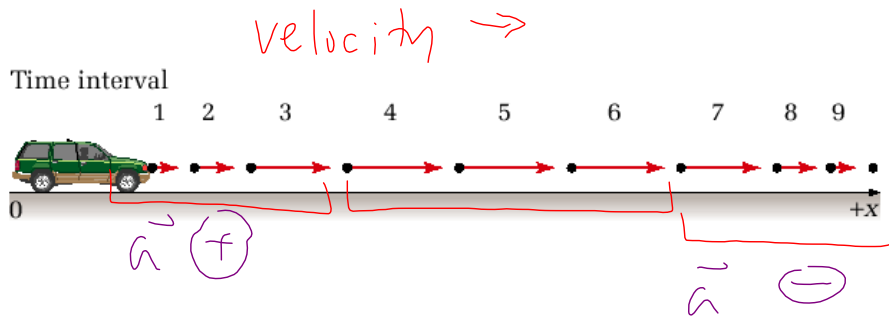


Figure 2.19 When the van is moving in a positive direction but slowing

Images in figure	Direction of velocity vector	Direction of acceleration vector	Description of motion
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Figure 2.19 Van is moving in the positive direction.

1-2-3	positive <i>right, east</i>	positive <i>right, east</i>	<i>speeding up in positive direction</i>
4-5-6	positive	—	<i>constant speed in a positive direction</i>
7-8-9	positive	negative	<i>slowing down in a positive dir.</i>

Figure 2.20 Van is moving in the negative direction

1-2-3	negative	negative	<i>speeding up in a neg. dir.</i>
4-5-6	negative	—	<i>constant speed in a neg. dir.</i>
7-8-9	negative ✓	positive	slowing down in negative direction

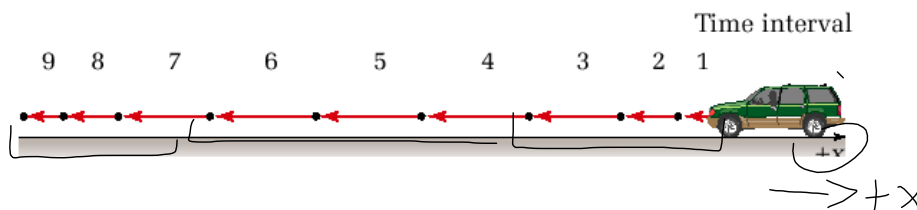


Figure 2.20 When the van is moving in a negative direction and slowing down, the direction of acceleration is positive.

Page 62 - MISCONCEPTION
Deceleration and Negative Acceleration
They Don't Mean the Same Thing

Topics: Assignment U1-S1

1. kinematics
 2. two types of physical quantities:
 - (i) scalar quantity - has magnitude only
 - has units
 - be able to name and give examples of four scalar quantities
 - (ii) vector quantity - has magnitude and direction
 - has units
 - vector notation
 - conventional directions
 - be able to name and give examples of four vector quantities
 3. arrows are used to represent vector quantities graphically
 4. resultant
 5. two methods used to add vector quantities:
 - (i) tip-to-tail method
 - (ii) parallelogram method
 6. use rubric to determine a resultant graphically
 7. use rubric to determine a resultant analytically
 8. be able to determine the range of possible resultant values given the magnitudes of two vectors and/or the angles between them
 9. a) two types of frames of reference:
 - (i) stationary/fixed
 - (ii) movingb) determine whether one object is moving relative to another
 10. motion vocabulary and definitions
 11. use signs of velocity and acceleration to describe an object's motion, etc (ie/ van scenario)
 12. two types of motion
 - (i) uniform
 - (ii) uniformly accelerated motion
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Format: Multiple Choice (MC)

Short Answer

Chart (ie/ van)

Find \vec{R} graphically or analytically



Science 122

Thursday, March 3/16

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1. Return -> Quiz - Start to Electric Motors
 2. Check -> Worksheet: Magnetic Fields and Circular Paths
 3. Velocity Selector
 4. Mass Spectrometer - To Be Continued
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5. Cyclotron
 6. Worksheet - Red Text Problems
 7. Electromagnet Induction

Science 10

<http://mvhs.nbed.nb.ca/>

Thursday, March 3/16

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1. Second Attempt - Assignment: Mixed Compounds
 - Thursday at Noon / *Friday Noon*
 - Must Make Corrections/Get Extra Help Today
 2. Synthesis/Formation Reactions - To Be Continued
 3. Decomposition Reactions
 4. [Worksheet: Formation and Decomposition Reactions - HW](#)
 5. Single Replacement Reactions - To Be Continued
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6. Double Replacement Reactions
 7. Worksheet: Single and Double Replacements Reactions
 8. Combustion Reactions
 9. Worksheet: Combustion Reactions

Physics 122

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Explain That Stuff - March 4/16

1. Static Torque Problems - Examples - To Be Continued
 2. Static Torque Problems with Forces at Angles
 3. Worksheet - Static Torque #1
 4. Worksheet - Static Torque #2
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