

Test: Unit 1 - Kinematics -> Thursday, October 24/13

1. Bell Work - Formative Assessment

Plan A  $\Rightarrow$  Review.

2. Force Problems Involving Acceleration:  
Check -> Text: Page 163, PP #1-3

Plan B  $\Rightarrow$  #2  
Plan of Day.

Handout: Problems - Newton's Second law  
Text - Page 168 #4-7



Bell Work - Formative Assessment - Wednesday, Oct. 23/13

Use complete sentences.

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1. How do you determine the acceleration of an object from a velocity-time graph?

$\text{slope} \Rightarrow \frac{m}{s^2}$

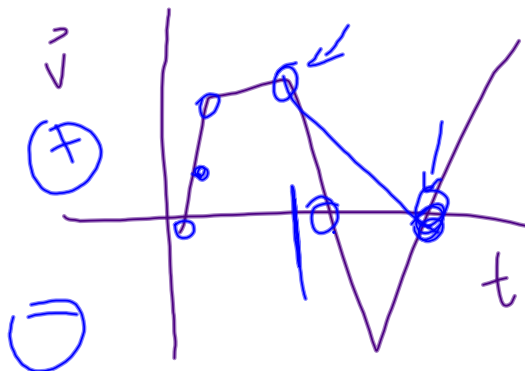
2. How do you use the areas from a velocity-time graph to determine the distance traveled by an object?

$d = A_1 + A_2 + A_3 + \dots$

$A = \frac{1}{2}bh$   
 $A = lw$   
 $A = \frac{1}{2}(a+b)h$

3. How do you calculate the average velocity of an object?

4. How do you determine if an object has changed direction given a velocity-time graph?



$$\vec{V}_{ave} = \frac{\text{displ}}{\text{time}}$$

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## Test: Unit 1 - Kinematics

- Six Problems:
1. Vector Analysis
  2. Velocity-Time Graph
  3. Four Motion Problems Including Freely Falling Body Problems

Formulas will NOT be provided.