

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

Tuesday, March 15/16

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



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## Explain That Stuff - March 18/16

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1. Velocity-Time Graphs - Examples - To Be Continued  
- Worksheets

2. Quiz - Velocity-Time Graph -> **Friday, March 18/16**

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3. Unit 1 - Section 3 -> Mathematical Analysis

4. Checklist - Word Problems

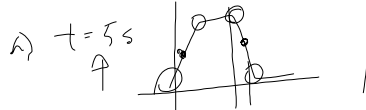
5. Kinematic Equations

6. Worksheet - Motion Problems



- R. 1. max. speed 24 m/s
- R. 2. max. vel. 24 m/s, W
- R. 3.  $v = 0 \text{ m/s}$  15 s
- R. 4. a) 12 m/s, E  
b) 12 m/s, W

C. 5.  $\vec{a} \Rightarrow$  slope.

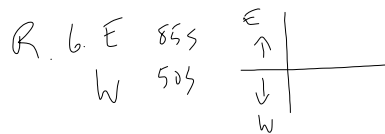


$(x_1, y_1) = (0, 0)$ ,  $(x_2, y_2) = (10, 18)$   
 $t_1 = 0$ ,  $t_2 = 5$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{18 - 0}{10 - 0} = 1.8 \text{ m/s}^2$$

$\vec{a} = 1.8 \text{ m/s}^2$   $1.8 \text{ m/s}^2 \text{ E}$

$(x_1, y_1) = (0, 0)$ ,  $(x_2, y_2) = (10, 18)$   
 $m = \frac{y_2 - y_1}{x_2 - x_1}$



C. 7. final displ. = total displ  
 $\times$  Area

$$A_1 = \frac{1}{2} (a+b)h$$

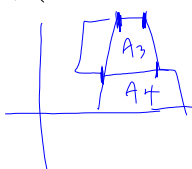
↑  
parallel

$$A_1 = \frac{1}{2} (35 + 10) 18 = 405 \text{ m}$$

$$A_2 = \frac{1}{2} (10 + 20) (24) = 360 \text{ m}$$

$$A_3 = \frac{1}{2} (25 + 15) 10$$

$$A_3 = 200 \text{ m}$$



$$A_4 = \frac{1}{2} (5 + 35) 10 = 200 \text{ m}$$

$$d = +A_1 - A_2 + A_3 + A_4$$

$$d = A_1 + A_2 + A_3 + A_4$$

## Science 122

Tuesday, March 15/16

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1. Quiz - Magnetic Forces and Circular Paths

- Friday, March 18/16

2. Electromagnet Induction - To Be Continued

3. Red Text: Page 518, Practice Problems #1, #2, #3  
Page 531, Applying Concepts #1, 2, 8, 10  
Page 532, Problems #3, #5, #8, #9

} Try

Worksheet - Conducting Rods and Lenz's Law

## Science 10

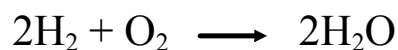
Tuesday, March 15/16

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1. Check -> Worksheet: Combustion Reactions
  2. [Worksheet: Identifying Types of Chemical Reactions - HW](#)
  3. Quiz - Identifying and Balancing Chemical Reactions  
- **Friday, March 18/16**
  4. Questions re Chemical Reactions - Will Check Tomorrow
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5. Translating Word Equations to Chemical Equations
  6. Worksheet: Word Equations to Chemical Equations
  7. Predicting Products
  8. Worksheet: Predicting Products

Questions re Chemical Reactions

Answer the following questions about the chemical reaction shown below:



1. What are the reactant(s)?
2. What is the product(s)?
3. What do we call the number "2" in front of the  $\text{H}_2$  and  $\text{H}_2\text{O}$ ?
4. Is the reaction balanced?
5. How many hydrogen atoms are needed to produce two water molecules?
6. How many oxygen molecules are needed to produce two water molecules?



## Physics 122

Tuesday, March 15/16

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### Explain That Stuff - March 18/16

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1. Check -> Worksheet - Static Torque #1
2. Worksheet - Static Torque #2
3. Assignment: U1 - S2 -> Static Torque  
Thursday, March 17/16

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4. U1 - S3 -> Relative Velocity