

Physics 112

Wednesday, February 24/16

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



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Explain That Stuff - Feb. 26/16

1. Meetings -> Quiz - Basic Skills
 2. Physics Lab - Exp. 2.1 - Second Attempt by Friday (Optional)
 3. FA - Find **R** Graphically
 4. Examples and Rubric: Vector Analysis - Analytical
Continue
 5. [Worksheet - Analytical Manipulation of Vectors - HW](#)
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6. Describing Motion - Frames of Reference
 7. Distance, Position, Displacement
 8. Gecko Demo
 9. Time, Speed, Velocity, Acceleration
 10. Directions of Velocity and Acceleration
 11. Types of Motion: Uniform and Uniformly Accelerated Motion
 12. Assignment: U1-S1



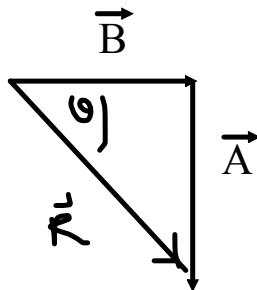
Formative Assessment - Find R GraphicallyWednesday - February 24/16

Two displacement vectors are 24 m [S] and 18 m [E]. Find the resultant displacement graphically.

$$\vec{A} = 24 \text{ m [S]}$$

$$\vec{B} = 18 \text{ m [E]}$$

Let 1 cm = 6 m



$\vec{R} = 30 \text{ m, } 53^\circ \text{ S of E}$ 37° E of S
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Science 122

Wednesday, February 24/16

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1. Electric Motors - To Be Continued

2. Quiz - Start to Electric Motors -> Monday, Feb 29/16

3. The Magnitudes of Magnetic Fields

4. [Worksheet - Magnetic Field Produced by a Wire - HW](#)

5. The Force On A Wire Due To A Magnetic Field

6. Worksheet: The Force On A Wire In a Magnetic Field

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Science 10

Wednesday, February 24/16

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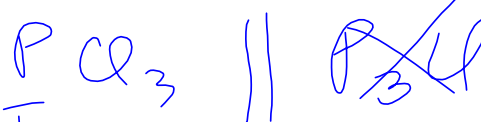
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1. Check -> Worksheet - Mixed Ionic/Covalent Compounds #1
 2. FA - Binary Molecular Compounds
 3. Assignment - Mixed Compounds
- Thursday, Feb. 25/16
 4. Counting Atoms - Continue
 5. [Worksheet: Counting Atoms in Compounds - HW](#)
 6. Chemical Reactions
 7. Law of Conservation of Mass
 8. Balancing Chemical Reactions - To Be Continued
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9. Worksheet - Balancing Chemical Reactions
 10. Types of Chemical Reactions
 11. Synthesis/Formation Reactions
 12. Decomposition Reactions
 13. Worksheet: Formation and Decomposition Reactions

FA - Simple Molecular Compounds

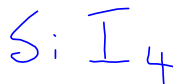
Wednesday, Feb. 24/16

1. Write the formulas for the following chemical compounds.

a) phosphorous trichloride



b) silicon tetraiodide



c) dichlorine heptoxide



d) bromine



2. Name the following compounds.

a) N_2O_4

dinitrogen tetroxide

b) H_2O_2

dihydrogen dioxide

c) S_8

sulfur

d) PCl_5

phosphorous pentachloride

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Explain That Stuff - Feb. 26/16

1. Assignment -> U1-S1: Force Problems