Physics 112

Tuesday, October 3/17

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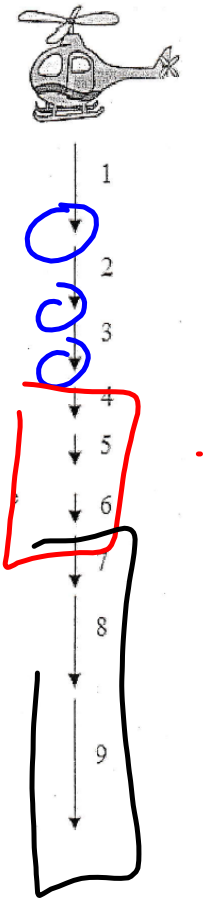
1. Return -> FA: V-T #3
2. SA - Unit 1: S1 & 2
   - Wed. Oct. 4
3. Uniformly Accelerated Motion: K. Equation #1
4. Uniformly Accelerated Motion: K. Equation #2
5. Quadratic Formula
6. Uniformly Accelerated Motion: K. Equation #3
7. Uniformly Accelerated Motion: K. Equation #4
8. Worksheet: Motion Problems

MC
R
chart
v-t graph.

3. Use the diagram to complete the chart below. (9)

Images in Diagram	Direction of Velocity Vector	Direction of Acceleration Vector	Description of Motion
1-2-3	neg.	positive	slowing down neg. dir.
4-5-6	neg.	X	const. speed. neg. dir
7-8-9	neg	neg	speeding up neg. dir



Physics 122

Tuesday, October 3/17

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1. Questions? -> Worksheet - Static Torque #2
2. FA - Static Torque: Type II
3. SA: Unit 1 - S 1& 2
   - Thursday, Oct. 5/17
4. Unit 1 - S3: Relative Velocity
5. Type I: Velocities with Parallel Directions
6. Type II: Velocities at Right Angles
   (i) Boat/Plane Problems

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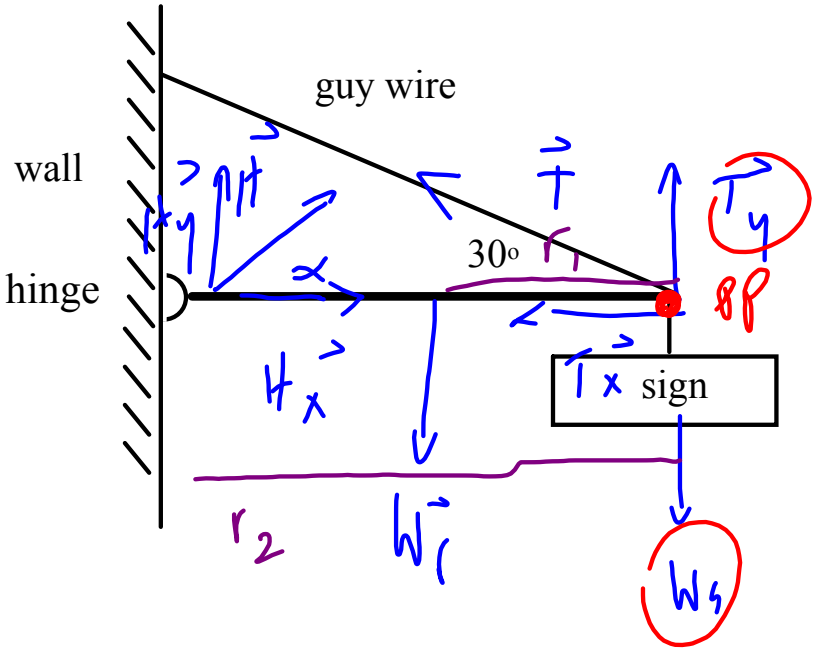
7. Type II: Velocities at Right Angles
   (ii) Intersection Problems
8. Worksheet - Physics Texts Problems - Relative Velocity

Resultant Torque (1 + 2)
Rush/Pull
Inclined Planes
Suspended Obj.

Formative Assessment - Static Torque: Type II

A uniform rod of length 2.0 m and mass 4.0 kg is hinged at the left end. A 25.0 kg sign is suspended from the right end. A guy wire is connected to the end of the rod and is fastened to the wall. Determine the magnitude the vertical component of the force acting onthe hinge.



$$\tau_{net} = 0$$

$$+\tau_{W_r} - \tau_{H_y} = 0$$

$$r_1 m_r g - r_2 H_y = 0$$

$$H_y = \frac{(1.0)(4.0)(9.8)}{2.0}$$

$$H_y = 20\,N$$

Science 10

Tuesday, October 3/17

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

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1. Return -> SA - Chem #1
   -> ~~Intervention~~ Fri. Oct 6/17 -> Corrections
   -> Help
   -> Signed Form
2. Types of Chemical Reactions
3. Formation Reactions
4. Decomposition Reactions - To Be Continued (P5)

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5. Worksheet: Formation and Decomposition Reactions
6. Single Replacement Reactions
7. Double Replacement Reactions
8. Worksheet: Single and Double Replacement Reactions