Science 10

Thursday June 1/17

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

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1. Assignment - Tangled Web: 2 Days Late
2. Article - Indicator Species: Due - Today, June 1/17
3. Comparing Energy and Matter
4. Types of Substances
5. Biogeochemical Cycles
6. The Carbon Cycle
7. Roller Coasters

Physics 112

Thursday, June 1/17

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1. Exam Review - First Law Problem
2. Check -> Worksheet - Waves: Frequency, Period and Wave Speed
3. Refraction
4. Case #1 - To Be Continued

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5. Case #2
6. Case #3
7. Snell's Law
8. Worksheet - Refraction

Exam Review -1st Law Problem

0.39

A box of mass 15.32 kg is being pulled to the left across a horizontal surface by an applied force of 58 N. The box is moving at constant speed. What is the coefficient of kinetic friction? Include an FBD for the box.

Physics 122

Thursday, June 1/17

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Exam Review - Static Torque

1. SA - U3 S1
2. Resistance to Flow of Charge
3. Worksheet - Resistance
4. Ohm's Law
5. Power
6. Series Circuits - HW - Read Handout.

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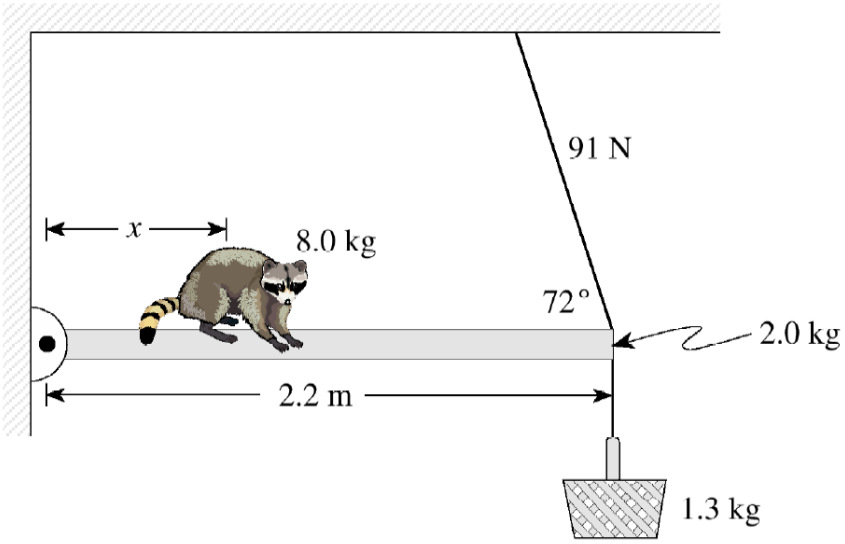
7. Worksheet - Series Circuits

Exam Review - Static Torque

1.8 m

A hungry 8.0 kg raccoon walks out on a 2.0 kg, 2.2 m long uniform beam in an attempt to reach a 1.3 kg food basket hanging at the end. A cord that can withstand 91 N is used to support the beam at the end as shown.



What is the maximum distance, x, the raccoon can walk out onto the beam before the cord breaks?