

### Agenda

1. Pass out Reference Tables ✓
2. Metric System ✓
3. Algebra / Trig Review
4. Vectors & Scalars



### Assignments

1. Video: Scalars and Vectors 9/11
2. Video: Defining Motion 9/13
3. Video Series: Dr. Chew Notes 9/15

### Reference Table

Prefixes for Powers of 10		
Prefix	Symbol	Notation
tera	T	$10^{12}$
giga	G	$10^9$
mega	M	$10^6$
kilo	k	$10^3$
deci	d	$10^{-1}$
centi	c	$10^{-2}$
milli	m	$10^{-3}$
micro	$\mu$	$10^{-6}$
nano	n	$10^{-9}$
pico	p	$10^{-12}$

$$532,718 \text{ mm} \rightarrow \underline{\hspace{1cm}} \text{ m}$$

$$\frac{532,718 \cancel{\text{mm}}}{1} \times \frac{10^{-3} \cancel{\text{m}}}{1 \cancel{\text{mm}}} = \boxed{532.718 \text{ m}}$$

$$1.7 \text{ kg} \rightarrow \underline{\hspace{1cm}} \text{ g}$$

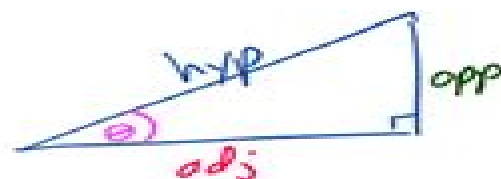
$$\frac{1.7 \cancel{\text{kg}}}{1} \times \frac{10^3 \text{ g}}{1 \cancel{\text{kg}}} = \boxed{1700 \text{ g}}$$

$$1 \text{ week} \rightarrow \underline{\hspace{1cm}} \text{ s}$$

$$\frac{1 \cancel{\text{week}}}{1} \times \frac{7 \text{ days}}{1 \cancel{\text{week}}} = \frac{7 \cancel{\text{days}}}{1} \times \frac{24 \text{ hrs}}{1 \cancel{\text{days}}} = 168 \text{ hrs}$$

$$\frac{168 \text{ hrs}}{1} \times \frac{60 \text{ min}}{1 \cancel{\text{hr}}} = 10,080 \text{ min} \times \frac{60 \text{ s}}{1 \cancel{\text{min}}} = \boxed{604,800 \text{ s}}$$

SOH CAH TOA



$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$

$$\cos \theta = \frac{\text{adj}}{\text{hyp}}$$

$$\tan \theta = \frac{\text{opp}}{\text{adj}}$$

# Jmap Physics Regents Test Lets

**Miriam A. Lazar, Albert Tarendash**



## **Jmap Physics Regents Test Lets:**

Regents Physics--Physical Setting Power Pack Revised Edition Barron's Educational Series, Miriam A. Lazar, Albert Tarendash, 2021-01-05 Barron's Regents Physics Power Pack provides comprehensive review actual administered exams and practice questions to help students prepare for the Physics Regents exam This edition includes Two actual Regents exams online Regents Exams and Answers Physics Physical Setting Four actual administered Regents exams so students have the practice they need to prepare for the test Review questions grouped by topic to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify strengths and weaknesses Study tips and test taking strategies Let's Review Regents Physics Physical Setting Comprehensive review of all topics on the test Extra practice questions with answers One actual administered Regents Physics exam with answer key *Regents Physics Power Pack* Miriam A. Lazar, Albert Tarendash, 2019-08-06 Always study with the most up to date prep Look for Regents Physics Physical Setting Power Pack 2020 ISBN 978 1 5062 5413 5 on sale January 07 2020 Publisher's Note Products purchased from third party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitles included with the product **Let's Review Regents: Physics--Physical Setting 2020** Miriam A. Lazar, Albert Tarendash, 2020-06-19 Always study with the most up to date prep Look for Let's Review Regents Physics The Physical Setting ISBN 9781506266305 on sale January 05 2021 Publisher's Note Products purchased from third party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitles included with the product **Regents Exams and Answers Physics Physical Setting Revised Edition** Barron's Educational Series, Miriam Lazar, 2021-01-05 Barron's Regents Exams and Answers Physics provides essential review for students taking the Physics Regents including actual exams administered for the course thorough answer explanations and comprehensive review of all topics This edition features Eight actual administered Regents exams so students can get familiar with the test Comprehensive review questions grouped by topic to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify strengths and weaknesses Study tips and test taking strategies **Physics Regents Vocabulary Workbook** Lewis Morris, 2019-09-27 Learn the Secret to Success on the Physics Regents Exam Ever wonder why learning comes so easily to some people This remarkable workbook reveals a system that shows you how to learn faster easier and without frustration By mastering the hidden language of the subject and exams you will be poised to tackle the toughest of questions with ease We've discovered that the key to success on the Physics Regents Exam lies with mastering the Insider's Language of the subject People who score high on their exams have a strong working vocabulary in the subject tested They know how to decode the vocabulary of the subject and use this as a model for test success People with a strong Insider's Language consistently Perform better on their Exams Learn faster and retain more information Feel more confident in their courses Perform better in upper level courses Gain more satisfaction in learning The Physics Regents Exam Vocabulary Workbook is different from traditional

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*Physics* Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2002-01-01

**Physics Power Pack** Miriam A. Lazar, 2015-09-01 Barron's *Let's Review Physics* and Barron's *Physics Regents Redbook* can be purchased as a Power Pack, two-book set at a savings of 29.99 less than the price of books purchased separately.

**Physics** Prentice-Hall Staff, Cook, 2010

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