

Monday, January 14/13
Physics 122/121

Exam Review

1. Ohm's Law: Textbook: Page 714, #21-24
2. Series Circuit
3. Textbook: Page 719, #27-31
4. Parallel Circuit
5. Textbook: Page 724, #32-35
6. Combination/Complex Circuits
7. Textbook: Page 728, #36-37
Textbook: Page 749, #33-34

P1 196

Physics 122/121 Exam

	<u>Level 1</u>	<u>Level 2</u>
Part 1 - MC	30	30
Part 2 - Prob.	9	9
	<hr style="width: 50px; margin: 0 auto;"/>	<hr style="width: 50px; margin: 0 auto;"/>
	110	115

✓ * Formula Sheet

<p>→ <u>Level 2</u></p> <p>→ push/pull</p> <p>→ Incline plane</p> <p>→ 2D collision</p> <p>→ Torque (θ)</p> <p>→ Satellite</p> <p>→ Projectile (θ)</p> <p>→ SHM - Mass on spring</p> <p>→ Coulomb's Law (3 charges)</p> <p>→ Circuit - capacitor</p>	<p><u>Level 1</u></p> <p>vert. circular</p>
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$\left[\frac{\text{km}}{\text{h}} \xrightarrow{\div 36} \frac{\text{m}}{\text{s}} \right]$	$\text{km} \times \frac{1000}{1} \rightarrow \text{m}$	} <div style="display: inline-block; vertical-align: middle; text-align: left;"> Review </div>
$\mu\text{C} = 10^{-6} \text{C}$		

Circular Motion

Handout: Problems - Circular Motion

LEVEL 1 -> Packet (Banked and Unbanked Curves, Vertical Circular Motion)

Universal Gravitation

Experiment 8.1 - Kepler's Laws - Page 49

Chapter 12 - Page 580, PP#1-7

Investigation 12-A, Page 581

Handouts (3) - Kepler's Laws, Value of "g", Speed and Period of a Satellite

Simple Harmonic Motion

Text: Page 608, #1-4
Page 623, #23-27, 30 } Mass on Spring

Text: Page 614, #5-8
Page 623, #28, 29 } Pendulum **Answer to #5 is listed as #7's. Scan answers for others.**

SHM - Pendulum Lab

Handout: SHM Problems

Projectiles

Text: Page 536, PP #1-8

Text: Page 549, PP #13
Page 570, Prob. #17, 19, 20 (omit graph)

Coulomb's Law

Textbook: Page 638, #4-5

Handout: Charge and Coulomb's Law

Electric Field Strength

Textbook: Page 646, #11-14

Textbook: Page 655, #20-24

Electric Potential Difference (Voltage)/Electric Current

Textbook: Page 696, #4-10

Ohm's Law

Textbook: Page 714, #21-24

Series Circuit

Textbook: Page 719, #27-31

Parallel Circuit

Textbook: Page 724, #32-35

Combination/Complex Circuits

Textbook: Page 728, #36-37

Textbook: Page 749, #33-34