Bell Work

1. Experiment 8.1 - Kepler's Laws - Page 49
      1 Day Late Today

2. Chapter 12 - Page 580, PP#1-7

3. Finding the Value of "g"

4. Orbital Speeds
      _____ Stopped Here P6

5. Try - Two Questions - P1 Finish for Tuesday

6. Investigation 12-A, Page 581 - Read for Tuesday - P1 and P6
      _____ Stopped Here P1

Try

1. What would be the value of g if we were 1000 km above the surface of the Earth?

   $7.32 \ m/s^2$

2. A satellite in a low Earth orbit is 225 km above the surface of Earth. What is its orbital speed? $(7.77 \times 10^3 \ m/s)$

   P1- NN.9
   PosT

Circular Motion

Handout: Problems - Circular Motion

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

Experiment 8.1 - Kepler's Laws - Page 49

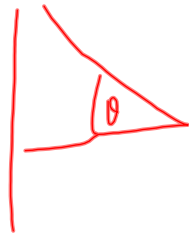Chapter 12 - Page 580, PP#1-7

Investigation 12-A, Page 581

Midterm Topics

1. Force Problems
   → Push/Pull
   → Incline Plane

2. Torque
   → include an angle

3. Relative Velocity
   → Boat/Plane

4. Collisions
   → 2D

5. Circular Motion Problems
   → L2 → Uniform
   → L1 → Uniform
       Non-Uniform
     • Banked/Unbanked

Formula Sheet will
be provided.

Physics 122/121
Biographies of Astronomers

Content to be included:

_____ name of astronomer (1)
_____ birth date/death date (2)
_____ birth place (1)
_____ at least three pictures (3)
_____ academics (universities attended/degrees) (2)
_____ number of husbands/wives/children (2)
_____ contribution/discovery/claim to fame (1)
_____ interesting information (4)

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 ____
  24
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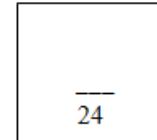
References and citations:

_____ reference page (1)
_____ citations (1)

Additional considerations:

Grammar	3	2	1	0
Spelling	3	2	1	0

References

Fraknoi, A. (n.d.). Women in astronomy: An introductory resource guide to materials in English.

Retrieved from http://www.astrosociety.org//edu/resources/womenast_bibprint.html

Planetary orbit simulator. (n.d.). Retrieved from

http://astro.unl.edu/classaction/animations/renaissance/kepler.html

Citation: (Fraknoi, n.d.)

Citation: (Planetary orbit simulator, n.d.)

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