Name_____

Homework Assignment #8   due in class Wednesday, October 25
Cover sheet : Staple this page in front of your solutions.
Write the *answers* **(without calculations) on this page; write the detailed** *solutions* **(written clearly) on your own paper.**

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[37] Problem 4.26.* *Answer: What is dE/dt?*

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[38] Problem 4.28 and 4.29.* **[computer]**
For #4.29, hand in the computer program and any plots.
Answer: What is the period for #4.29 part (d)?

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[39] Problem 4.33. **[computer]**
Hand in the computer program and any plots.
Answer: Did you hand in the computer results?

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[40] Problem 4.34.**
Answer: What is the period if the length is 1 m?

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[41] Problem 4.37.* **[computer]**
Hand in the computer program and any plots.
Answer: Did you hand in the computer results?
Answer: What is the critical ratio m/M ?

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[42] Problem 4.38.* **[computer]**
Hand in the computer program and any plots.
Answer: Did you hand in the computer results?
Answer: Explain what becomes of τ as the amplitude of oscillation approaches π.