Instructions:
1. Do all of your work on this sheet.
2. Show all of your steps in problems for full credit.
3. Be clear and neat in your work. Any illegible work, or scribbling in the margins, will not be graded.
4. Place your answers in a box.
5. If you need more space, you may use the back of the page and write On back of page # in the problem space.

1. Multiple Guess Find the answer which best fits the question and write it in the space provided.

a) Decreasing the mass at the end of a simple pendulum will 
   a) increase the frequency b) decrease the period c) increase the period d) have no effect on either the period or frequency.

b) Two objects are separated by a distance R. If one of the objects is replaced by another having twice as much mass and the separation distance is doubled, then the gravitational force is 
   a) twice as much; b) half as much; c) four times as much; d) a quarter as much; e) the same.

- b

- c

- e

- g

- h

- i

- l

- m

- n

- o

- p

- q

- r

- s

- t

- u

- v

- w

- x

- y

- z

- A

- B

- C

- D

- E

- F

- G

- H

- I

- J

- K

- L

- M

- N

- O

- P

- Q

- R

- S

- T

- U

- V

- W

- X

- Y

- Z