Sec.# (9) ---Quiz (5), Ch#5&6

S.N:

ID#: Key

Phys 101 (Term 041)-(F. Enaya)

Show your steps clearly for full credit.

- Q. An object is hung from a spring balance attached to the ceiling of an elevator. The balance reads 60 N when the elevator is at rest.
  - a. Draw the free body diagram of this problem.
  - b. What is the reading of the spring balance when the elevator is moving downwards with a deceleration of 3.9 m/( $s^2$ ) ( *is about to stop*)?

