- **Changing the objective functions of a LP affects**

  a) Optimality conditions.

  b) Synergy conditions.

  c) Feasibility conditions.

  d) Amer's Mussa conditions.

- **For a min problem, the *reduced cost* of a nb variable x_j is**

  a) The amount by which c_j should increase to make x_j basic.

  b) The amount by which c_j should decrease to make x_j basic.

  c) The cost reduction due to not selling x_j.

  d) The lowest cost in town for supplies needed to make x_j.

- **Reduced costs and shadow prices are found side-by-side in**

  a) The right hand side of the optimal primal tableau.

  b) The right hand side of the optimal dual tableau.

  c) The Z-row of the optimal primal tableau.

  d) Front of West Hall.

- **Changing the coefficients of a basic variable**

  a) Can be investigated similar to adding a new variable.

  b) Is easy to check.

  c) Affects both optimality and feasibility conditions.

  d) Requires calling your OR professor (consulting fees apply).