

## Procedure for Solving Linear Programming Problems

**Step 1:** Organize the given information into a table.

**Step 2:** Assign letters to represent quantities that can be varied or controlled. Introduce them into the table.

**Step 3:** Assign a letter to represent what must be maximized or minimized. Find the objective function in terms of the variables in Step 2.

**Step 4:** Determine, and simplify, the constraints on the variables introduced in Step 2.

**Step 5:** Draw the feasible set and identify its corners.

**Step 6:** Evaluate the objective function at the corners.

**Step 7:** Choose the appropriate maximum or minimum value in Step 6.