HCP PRECALC   NAME_____

LINEAR PROGRAMMING PROBLEMS

CLASS_____

Include **objective statement**, **all inequalities**, an **accurate graph**, **all corner points** and their **substitution** into the objective statement, and the **final answer** written with words.

1. Suppose a company produces plywood by using a press to glue veneers together. The veneers come in two grades, A and B, and two kinds of plywood are made, interior and exterior. One panel of exterior plywood requires two panels of grade A veneer, two panels of grade B veneer, and 10 minutes on the press. One panel of interior plywood requires 4 panels of grade B veneers; no grade A veneers and 5 minutes on the press. On a certain day there are 1000 panels of grade A veneer available and