

Preliminary Drawings Assignment

Produce four rough drawings for your model house. Use one sheet of 8½" x 11" paper for each drawing. Each drawing must be different, but you do not have to change every aspect of your design. For example, you could start with two different designs, then pick the one you think is best, and experiment with variations on that basic design.

Before you draw your fourth drawing, exchange your work with someone else in the class and evaluate each other's ideas using the criteria on the worksheet "Characteristics of a Well Designed House".

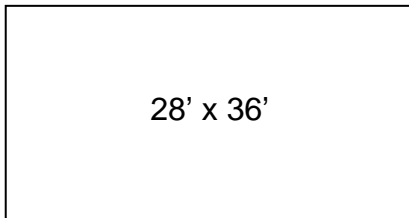
Your drawings do not have to be to scale, but it may help you plan your space if you do draw it to scale. A suitable scale would be 1/8" = 1'.

Your house design must have the following features:

- 1 story
- 1 kitchen
- 1 washrooms
- Living/dining area
- 2 or 3 bedrooms
- maximum floor area 1800 sq. ft.
- minimum floor area 1250 sq. ft.
- It must fit on a lot 40' x 64'
- Garages may not be included on the floor plan.

On each of the four drawings, you must calculate the total floor area in square feet. The exterior and interior walls are included in the calculation of floor area. Garages, porches, decks and balconies are not included in the calculation of floor area.

Example 1:



$$28 \times 36 = 1008 \text{ sq. ft.}$$

Example 2:

If your floor plan is not rectangular, break it into rectangles to calculate the area.

$$\begin{aligned} 20 \times 24 &= 480 \\ 20 \times 18 &= \underline{360} \\ &840 \text{ sq ft} \end{aligned}$$

