Design a Park

Directions: You will be designing a park which includes the required sections listed below. You will turn in a scale drawing of your park and a completed sheet of paper with all work attached.

Size: 1200 ft. by 1800 ft.

Sections: The park must include the following sections,

- a swimming pool with deck space around the pool for chairs, tables, and sun bathing. The entire pool area must be surrounded by a fence which will include a 5ft. gate.
- an area for playing baseball/softball and soccer (there could be several fields; each field should be regulation size and include an area for bleachers)
- tennis or basketball courts (there could be several courts (regulation size), the basketball courts can be half courts)
- a grassy picnic area with trees, tables, etc (be creative)
- an area for playground equipment (this will have a spongy surface to prevent injuries from falls.)
- a flower garden.

Shapes: The different sections of the park must include the following shapes,

- Circle
- Triangle
- Square
- Rectangle
- Parallelogram
- Trapezoid
- A complex figure (a combination of shapes [example: a half circle on top of a parallelogram])
Follow up questions:

1) Find the area of each section of the park.

2) Add up all the areas and make sure it equals the total area of the 1200ft by 1800 ft park.

3) What percentage of the park is grassy picnic area and flower garden? Sports fields/courts? Playground and pool?

4) Make a pie chart with the percentages in 3.