**Scale Factor Activity**

**Directions**

1) Use the first drawing and your ruler to find the scale factor of the drawing.

2) Find the actual dimensions of one of the beds in the house.

3) Find the scale factor for the second drawing.

4) Convert the bed to fit in the dimensions of the second drawing and draw it in one of the bedrooms to scale

5) The price of hardwood floors is $3.29 per square foot. How much will cost to install hardwood floors in the house design in the second drawing?

6) If each box of hardwood will cover 22 square feet, then how many boxes will you need?

7) **Homework:** Measure size of a room in your house, as well as objects in the room to create a scale drawing in class on Tuesday. You can measure in any unit you choose, but be as accurate as possible.