Problem 1. (15 pts) Stand on a chair in one corner of your dorm room and draw what you see from that elevated vantage point, in three-point perspective. Include all ‘hard’ objects of reasonable size (bed, desk, clock, computer etc.) but don’t bother with very small items (pencil, nose ring) or ‘soft’ items like clothing. Use a full sheet of paper, and make your drawing relatively small (as shown in the figure, which also shows possible positions of your three vanishing points) so that the perspective isn’t exaggerated. You may use a straightedge to help you draw your perspective lines.

Problem 2. (5 pts) Draw your non-writing hand holding some tennis-ball sized object. Now create a second version of the drawing that reduces (significantly, if possible) the number of lines while still making clear what the drawing depicts. Submit both versions of the drawing.

Problem 3. (10 pts) Among the definitions of the American West, one stands out; east of the hundredth meridian (a longitude line that cuts through the Dakotas, Nebraska, Kansas, Oklahoma and Texas) there is generally enough rainfall to sustain agriculture and ranching, while west of it there generally isn’t. Settlement of the region west of the hundredth meridian has relied on engineered water storage and delivery for irrigation. The U.S. Bureau of Reclamation is the federal agency that symbolizes these efforts, having built things like Hoover Dam, the Glen Canyon Dam and other large projects. Depending on your perspective, dam projects like these are either engineering marvels that provide water and power, or environmental nightmares that are unrivaled among man’s creations in their negative impact on the Earth. In the past, the (needless to say) controversial idea has been entertained of damming the Colorado River within the Grand Canyon. List five reasons why this would a good idea and five reasons why it’s a bad one, then state what your position is (good or bad idea?).