Confidence intervals and overlap   NAME:

We surveyed 1000 households in urban areas and 1000 households in rural areas to determine how much they watched the recent television coverage of the Olympics. The rural households watched, on average, 23.5 hours of coverage. The urban households watched, on average, 15.2 hours of coverage.

Form a 95 % confidence statement for the amount of television coverage in urban households. The margin of error is 3.1 hours.

Form a 95 % confidence statement for the amount of television coverage in rural households. The margin of error is 2.7 hours.

Notice these two intervals do not overlap. Use this information to make a statement **comparing** the amount of coverage that was watched in rural and urban areas.