If I associate with a group, am I NORMAL?

Activity 5: The Central Limit Theorem

1) Assume that women's weights are normally distributed with a mean of 143 pounds and a standard deviation of 29 pounds.

   a) If a woman is randomly selected, find the probability that her weight is between 140 and 157 pounds.

   b) If 75 women are randomly selected, find the probability that they have a mean weight between 140 and 157 pounds.