Warm-up:

1. Find the critical values $-z_c$ and z_c that corresponds to a 92% confidence level.

2. Find the margin of error for c=0.90, $\sigma = 532$, and n=50

3. Find the sample mean and margin of error for the CI $14.3 < \mu < 18.9$

4. What is the minimum sample size needed to be 95% confident that the true mean is within 5 of the sample mean? Assume the population standard deviation is known to be 35.