a. Estimate of average of amount spend per week is $20

b. \( \mu = \bar{X} \pm Z \frac{s}{\sqrt{n}} \)

\[ \mu = 20 \pm 1.96 \frac{5}{\sqrt{49}} \]

\[ \mu = 20 \pm 1.96 (0.71) \]

\[ \mu = 20 \pm 1.4 \]

\[ 18.6 < \mu < 21.4 \]