

Solutions

Each answer shows the steps, then the **result**.

2.1

- $\mu_{\bar{x}} = \mu$

2.2

- $\sigma_{\bar{x}} = \frac{15}{\sqrt{25}} = 3$

2.3

- it decreases

3.1 B

3.2 B

3.3

(a)

- 50

(b)

- $\sigma_{\bar{x}} = \frac{10}{\sqrt{100}} = 1$