Solutions

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

2.1

- $\mu_1 - \mu_2$

2.2

- $\sqrt{\frac{36}{36} + \frac{64}{64}} = \sqrt{1+1} = \sqrt{2} \approx 1.41$

2.3

- the difference between two population means

3.1 B

3.2 A

3.3

(a)

- $\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}$

(b)

- $\sqrt{\frac{100}{25} + \frac{100}{25}} = \sqrt{8} \approx 2.83$