

Solutions

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

2.1

- $p_1 - p_2$

2.2

- $\sqrt{\frac{0.5(0.5)}{50} + \frac{0.4(0.6)}{50}} = \sqrt{0.005 + 0.0048} = \sqrt{0.0098} = 0.099$

2.3

- the difference between two population proportions

3.1 B

3.2 B

3.3

(a)

- $0.6 - 0.5 = 0.1$

(b)

- $\sqrt{\frac{p_1(1-p_1)}{n_1} + \frac{p_2(1-p_2)}{n_2}}$