Solutions

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

2.1

- state hypotheses and check conditions; compute z; find the p-value; compare to α and conclude in context

2.2

- yes — $z = 2.5$ gives a small p-value, likely below 0.05

2.3

- the significance level α

3.1 B

3.2 B

3.3

(a)

- reject H_0

(b)

- yes

(c)

- there is convincing evidence that the two proportions differ