

Solutions

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

2.1

- the sampling distribution of $\hat{p}$ is approximately normal, allowing z -based inference

2.2

- $np \geq 10$ and $n(1 - p) \geq 10$

2.3

- the unknown population proportion p

3.1 B

3.2 C

3.3

(a)

- the normal distribution

(b)

- $np \geq 10$ and $n(1 - p) \geq 10$

(c)

- the population proportion p