Solutions

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

2.1

- $\dfrac{25-5}{10} = 2\%$

2.2

- doubling time $\approx \dfrac{70}{\%\text{ growth rate}}$

2.3

- $70/2 = 35$ years

3.1 B

- $70/3.5 = 20$ years

3.2

(a)

- $\dfrac{40-12}{10} = 2.8\%$

(b)

- $70/2.8 = 25$ years

3.3

- Better health care lowers the death rate (fewer people die) while birth rates stay high, so the gap between births and deaths widens, increasing growth