

Solutions

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

2.1

- $b = \frac{2\pi}{\text{period}}$

2.2

- amplitude = $\frac{10 - 4}{2} = 3$; midline = $\frac{10 + 4}{2} = 7$

2.3

- $b = \frac{2\pi}{24} = \frac{\pi}{12}$

3.1 B

3.2 B

3.3

(a)

- $\frac{50 - 2}{2} = 24$ m

(b)

- $\frac{50 + 2}{2} = 26$ m

(c)

- $b = \frac{2\pi}{60} = \frac{\pi}{30}$