

Solutions

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

2.1

- the predicted change in $\hat{y}$ for each one-unit increase in x

2.2

- $\hat{y} = 5 + 2(10) = 25$

2.3

- the predicted value of $\hat{y}$ when $x = 0$

3.1 B

3.2 B

3.3

(a)

- $\hat{y} = 20 + 4(6) = 44$

(b)

- each extra hour studied adds about 4 points to the predicted score