**2-5 Skills Practice**

***Scatter Plots and Lines of Regression***

**For Exercises 1–3, complete parts a–c.**

**a. Make a scatter plot and a line of fit, and describe the correlation.**

**b. Use two ordered pairs to write a prediction equation.**

**c. Use your prediction equation to predict the missing value.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1.** |

|  |  |
| --- | --- |
| ***A2_CH02_032_1.jpgx*** | ***y*** |
| 1 | 1 |
| 3 | 5 |
| 4 | 7 |
| 6 | 11 |
| 7 | 12 |
| 8 | 15 |
| 10 | ? |

A2_CH02_032_2.jpg |
| **2.** |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| 5 | 9 |
| 10 | 17 |
| 20 | 22 |
| 25 | 30 |
| 35 | 38 |
| 40 | 44 |
| 50 | ? |

 |
| **3.** |

|  |  |
| --- | --- |
| ***x*** | ***y*** |
| 1 | 16 |
| 2 | 16 |
| 3 | ? |
| 4 | 22 |
| 5 | 30 |
| 7 | 34 |
| 8 | 36 |

 |

