Name Class Date

2-1

**Practice** *Form K*

Using Graphs to Relate Two Quantities

**What are the variables in each graph? Describe how the variables are related at
various points on the graph.**

|  |  |
| --- | --- |
| **1.**  | **2.**  |

**Match each graph with its related table.**

|  |  |  |
| --- | --- | --- |
| **3.**  | **4.**  | **5.**  |

|  |  |  |
| --- | --- | --- |
| **A.**  | **B.**  | **C.**  |

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Name Class Date

2-1

**Practice** (continued) *Form K*



Using Graphs to Relate Two Quantities

**Sketch a graph to represent each situation.**

**6.** During a trip, your speed increases during the first hour and
decreases over the next 2 hours.

**7.** The average temperature steadily decreases over the course of the
football season.

**8.** The average test score of the class increased throughout the
semester until it decreased slightly on the last test.

**9. Error Analysis** During the first 2 weeks of training,
Shelly ran 15 miles per week. Then, she increased to
20 miles per week. Describe and correct the error in
sketching a graph to represent the relationship between
the weeks and the total number of miles she has run.

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