Name Class Date

2-2

**Practice** *Form G*



Patterns and Linear Functions

**For each diagram, find the relationship between the number of shapes and the
perimeter of the figure they form. Represent this relationship using a table,
words, an equation, and a graph.**



**1.**

**2.**

**For each table, determine whether the relationship is a function. Then
represent the relationship using words, an equation, and a graph.**

|  |  |
| --- | --- |
| **123.**  | **134.**  |

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Name Class Date

2-2

**Practice** (continued) *Form G*



Patterns and Linear Functions

**For each table, determine whether the relationship is a function. Then represent the
relationship using words, an equation, and a graph.**

|  |  |
| --- | --- |
| **145.**  | **156.**  |

**7.** **Reasoning** Graph the set of ordered pairs (0, 2), (1, 4), (2, 6),
(3, 8). Determine whether the relationship is a linear function.
Explain how you know.

**8.** You can make a bubble solution by mixing 1 cup of liquid
soap with 4 cups of water. Represent the relationship
between the cups of liquid soap and the cups of bubble
solution made using a table, an equation, and a graph. Is the
amount of bubble solution made a function of the amount of
liquid soap used? Explain.

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