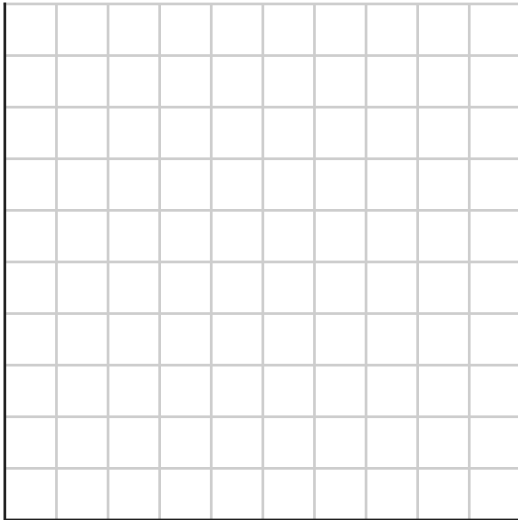


## 2 Graphing Patterns

---

### Your Turn Questions

1. a) Graph the pattern 5, 8, 11, 14, 17, ... . You can create a table of values first.



- b) Describe two characteristics of the pattern that your graph shows. How does your graph show each characteristic?
2. The pattern 203, 200, 197, 194, ... continues to shrink by the same amount each time. Which point will be on the graph that represents this pattern?
- A (20, 143)
  - B (5, 191)
  - C (10, 179)
  - D (12, 36)

3. The pattern 7, 13, 19, 25, 31, ... continues to grow by the same amount each time. Which point will **not** be on the graph that represents this pattern?
- A (3, 19)
- B (6, 37)
- C (7, 43)
- D (8, 48)
4. a) Are the points on the graph of the pattern 2, 4, 8, 16, 32, ... in a straight line?
- b) How could you have predicted your answer in part a) by looking at the numbers in the pattern?
5. a) Create three different patterns whose graphs would all include the point (4, 12).

# 2

## Graphing Patterns

Your Turn Questions (continued)

---

**b)** Graph one of the patterns you created in part a).

