

4.6 Notetaking with Vocabulary (continued)

Extra Practice

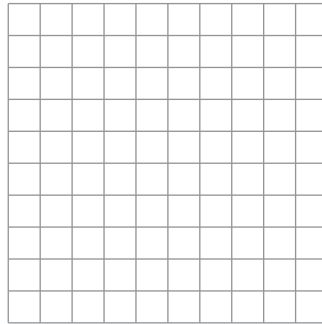
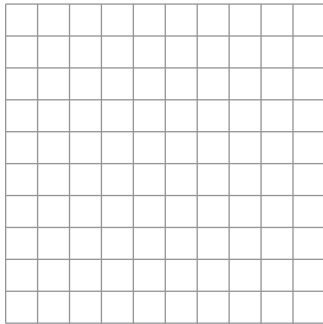
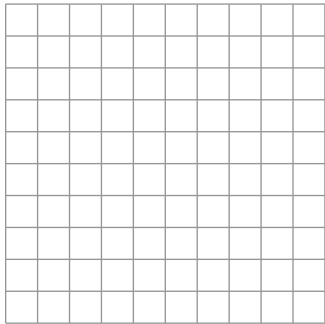
In Exercises 1–6, write the next three terms of the arithmetic sequence.

- 1. 1, 8, 15, 22, ... 2. 20, 14, 8, 2, ... 3. 12, 21, 30, 39, ...

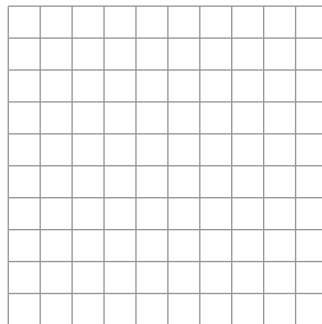
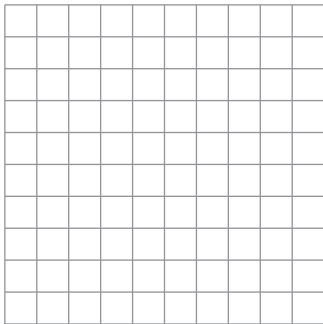
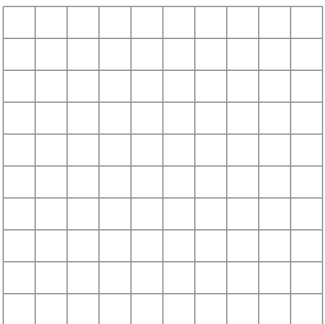
- 4. 5, 12, 19, 26, ... 5. 3, 7, 11, 15, ... 6. 2, 14, 26, 38, ...

In Exercises 7–12, graph the arithmetic sequence.

- 7. 1, 3, 5, 7, ... 8. 9, 6, 3, 0, ... 9. $\frac{15}{2}, \frac{13}{2}, \frac{11}{2}, \frac{9}{2}, \dots$

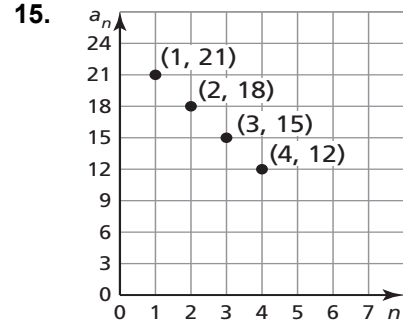
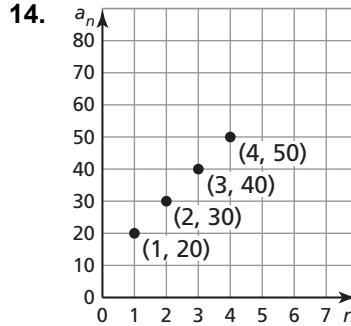
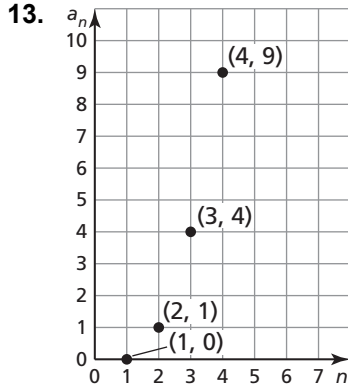


- 10. 1, 2.5, 4, 5.5, ... 11. 1, 4, 7, 10, ... 12. $\frac{1}{4}, \frac{5}{4}, \frac{9}{4}, \frac{13}{4}, \dots$



4.6 Notetaking with Vocabulary (continued)

In Exercises 13–15, determine whether the graph represents an arithmetic sequence. Explain.



In Exercises 16–21, write an equation for the n th term of the arithmetic sequence. Then find a_{10} .

16. $-5.4, -6.6, -7.8, -9.0, \dots$

17. $43, 38, 33, 28, \dots$

18. $6, 10, 14, 18, \dots$

19. $-11, -9, -7, -5, \dots$

20. $34, 37, 40, 43, \dots$

21. $\frac{9}{4}, \frac{7}{4}, \frac{5}{4}, \frac{3}{4}, \dots$

22. In an auditorium, the first row of seats has 30 seats. Each row behind the first row has 4 more seats than the row in front of it. How many seats are in the 25th row?