

4.6 Notetaking with Vocabulary (continued)

Extra Practice

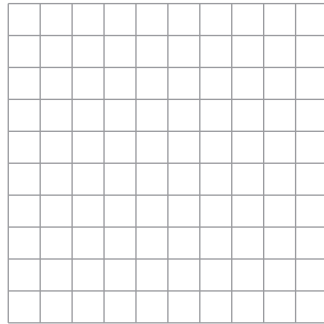
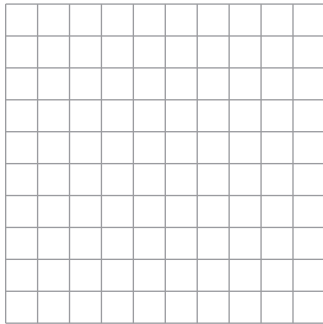
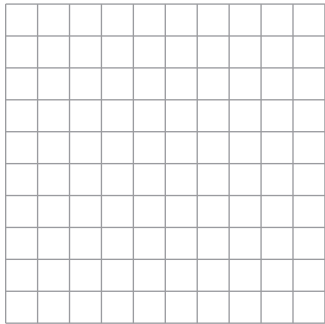
In Exercises 1–6, write the next three terms of the arithmetic sequence.

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

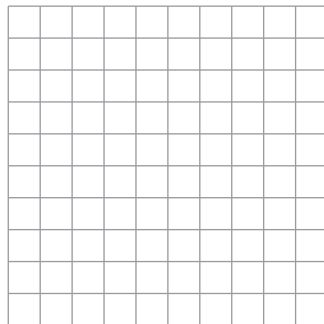
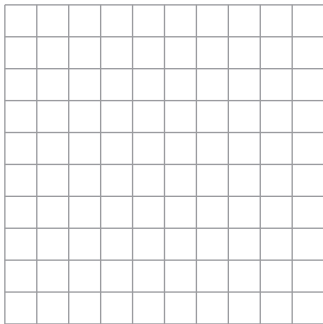
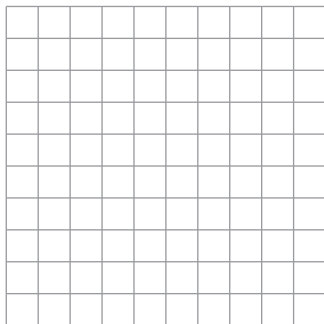
4. 5, 12, 19, 26, \square 5. 3, 7, 11, 15, \square 6. 2, 14, 26, 38, \square

In Exercises 7–12, graph the arithmetic sequence.

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

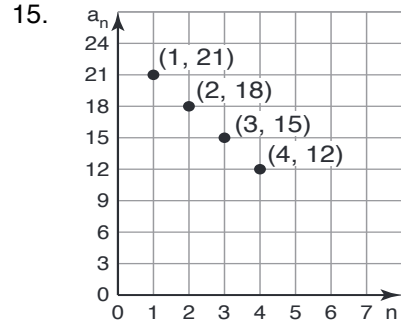
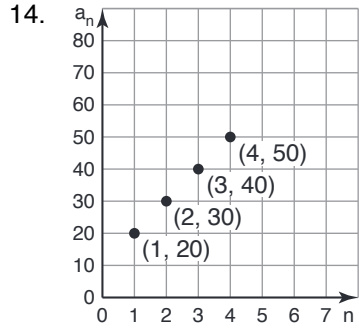
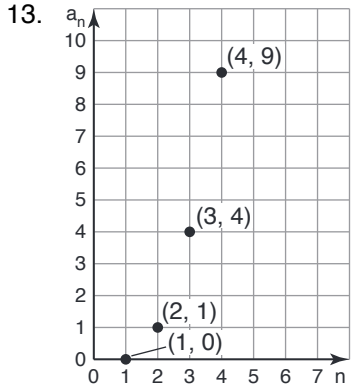


10. 1, 2.5, 4, 5.5, \square 11. 1, 4, 7, 10, \square 12. $\frac{1}{4}, \frac{5}{4}, \frac{9}{4}, \frac{13}{4}, \square$



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 nth term of the arithmetic sequence. Then find a₁₀.

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?