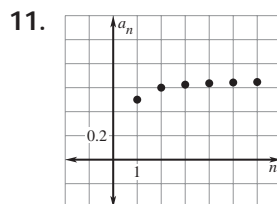
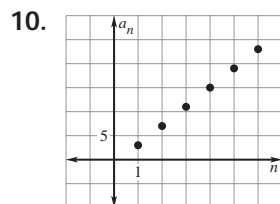


Answer Key

Practice B

1. $5, 3, \frac{7}{3}, 2, \frac{9}{5}, \frac{5}{3}$ 2. $\frac{1}{2}, \frac{4}{3}, \frac{9}{4}, \frac{16}{5}, \frac{25}{6}, \frac{36}{7}$
 3. $8, 27, 64, 125, 216, 343$ 4. $\frac{5}{2}; a_n = \frac{n}{2}$
 5. $13; a_n = 3n - 2$ 6. $0; a_n = 5 - n$
 7. $13; a_n = 2n + 3$ 8. $19; a_n = 4n - 1$
 9. $36; a_n = (n + 1)^2$



12. $\sum_{n=1}^5 2n$ 13. $\sum_{n=1}^{\infty} (2n - 1)$ 14. $\sum_{n=1}^4 \frac{n}{3n - 1}$
 15. $\sum_{n=1}^{\infty} \frac{(-1)^{n-1}}{n}$ 16. $\sum_{n=1}^{\infty} n^2$ 17. $\sum_{n=1}^5 (-1)^n n^3$
 18. 100 19. 77 20. 11 21. 18 22. 24
 23. 22140 24. 5050 25. 50
 26. 55 members 27. 54 diagonals