

Answer Key

Practice B

1. $x + 5 + \frac{21}{x-3}$ 2. $2x + 3$ 3. $x^2 + x + 1$

4. $2x^2 + x - 3 + \frac{5}{2x-1}$

5. $x^2 + \frac{1}{3}x - \frac{16}{9} + \frac{25}{9(3x+1)}$

6. $4x + \frac{7}{2} + \frac{23}{2(2x-3)}$

7. $x + 2 - \frac{1}{x^2 + 3x - 1}$

8. $x - 4 + \frac{2(6x-11)}{x^2 + x - 4}$

9. $2x^2 + x + 3$ 10. $x^2 - 3x + 7 - \frac{9}{x+3}$

11. $x^3 + 4 + \frac{3}{x-5}$

12. $3x^2 - 8x + 21 - \frac{43}{x+2}$

13. $5x^3 + 3x^2 + 5 + \frac{6}{x-1}$

14. $3x^3 - 10x^2 + 40x - 160 + \frac{635}{x+4}$

15. $x^2 - x + 1 - \frac{3}{x+1}$

16. $3x^3 + 6x^2 + 12x + 24 + \frac{47}{x-2}$

17. $-8, 2$ 18. 2 19. $-\frac{1}{2}, 1$ 20. $-\frac{2}{3}, 1$

21. $x - 2$ 22. $P(x) = 50x - 5x^3$

23. about 0.3 million