

1. 4

2. $x^2y^4z^{16}$

3. $5\sqrt[3]{6}$

4. $6x^{12}y^{10}\sqrt{5xy}$

5. $x^{16}y^8z^2\sqrt[5]{z}$

6. 18.055

7. $f(-10) \approx 6.164$

8. $\left[-\frac{3}{4}, \infty\right)$

9. $20\sqrt{5} - 11\sqrt{14}$

10. $63\sqrt{2}$

11. $252\sqrt{5} - 660\sqrt{3}$

12. $-153 + 19\sqrt{6}$

13. $\frac{b^4\sqrt{ac}}{a^2c^4}$

14. $\frac{12\sqrt{110} - 40\sqrt{2}}{79}$

15. \emptyset

16. $\{1\}$

17. $\{-5, -3\}$

18. 1.92 seconds

19. $3i\sqrt{14}$

20. $6 - 6i$

21. $-24 + 16i$

22. $20 - 66i$

23. $91 + 60i$

24. $\frac{15 + 27i}{53}$ or $\frac{15}{53} + \frac{27}{53}i$

25. $\frac{10 - 3i}{5}$ or $2 - \frac{3}{5}i$

26. i