

Topics in College Algebra Practice Final Answer Key

1. Interval notation $[-3, 3)$
2. Interval notation $(-\infty, -11) \cup (7, \infty)$
3. Interval notation $(-15, 9)$
4. Interval notation $(-\infty, \infty)$
5. $8, -16$
6. Domain: $(-\infty, \infty)$, Range: $[-4, \infty)$, Function: Yes
7. $12x + 7$
8. $-6x - 21$
9. $(1, -2)$
10. $(12, -4)$
11. $(-1, -2)$
12. $(4, 6)$
- 13.
14. 8
15. -5
16. 6
17. 4
18. $x^{\frac{3}{4}}$
19. $x^{\frac{5}{7}}$
20. $x^{\frac{5}{18}}$
21. $x^{\frac{3}{7}}$
22. $2\sqrt{15}$

- 23. $5\sqrt[3]{2}$
- 24. $3\sqrt{10}$
- 25. $8\sqrt{2}$
- 26. 62
- 27. 25
- 28. $8-9i$
- 29. $57-21i$
- 30. $-5i$
- 31. $\frac{6}{5} - \frac{2}{5}i$
- 32. $-i$
- 33. $-4, -3$