

Algebra I Semester 1 REVIEW

Answer Section

1. ANS:
 $f + 2$

OBJ: 1-1.1 To write algebraic expressions

2. ANS:
 $m - 8$

OBJ: 1-1.1 To write algebraic expressions

3. ANS:
 $12a$

OBJ: 1-1.1 To write algebraic expressions

4. ANS:
 $\frac{n}{5}$

OBJ: 1-1.1 To write algebraic expressions

5. ANS:
 $4(h + w)$

OBJ: 1-1.1 To write algebraic expressions

6. ANS: A OBJ: 1-1.1 To write algebraic expressions

7. ANS:
2025

OBJ: 1-2.2 To use the order of operations to evaluate expressions

8. ANS:
12

OBJ: 1-3.2 To find and estimate square roots

9. ANS: B OBJ: 1-3.1 To classify, graph and compare real numbers

10. ANS: D OBJ: 1-3.1 To classify, graph and compare real numbers

11. ANS: B OBJ: 1-4.1 To identify and use properties of real numbers

12. ANS: A

13. ANS:
 $-2m + 26$

OBJ: 1-7.1 To use the Distributive Property to simplify expressions

14. ANS:
 $4.2m^2 + 1.5n$

OBJ: 1-7.1 To use the Distributive Property to simplify expressions

15. ANS:
20

OBJ: 1-8.1 To solve equations using tables and mental math

16. ANS:
21

OBJ: 1-8.1 To solve equations using tables and mental math

17. ANS: A OBJ: 2-1.1 To solve one-step equations in one variable

18. ANS: A OBJ: 2-1.1 To solve one-step equations in one variable

19. ANS:
13

OBJ: 2-2.1 To solve two-step equations in one variable

20. ANS:
9

OBJ: 2-2.1 To solve two-step equations in one variable

21. ANS:
123

OBJ: 2-2.1 To solve two-step equations in one variable

22. ANS:
9

OBJ: 2-3.1 To solve multi-step equations in one variable

23. ANS:
-9

OBJ: 2-3.1 To solve multi-step equations in one variable

24. ANS:
3

OBJ: 2-3.1 To solve multi-step equations in one variable

25. ANS:
4

OBJ: 2-4.1 To solve equations with variables on both sides

26. ANS:
5

OBJ: 2-4.1 To solve equations with variables on both sides

27. ANS: C OBJ: 2-4.2 To identify equations that are identities or have no solution

28. ANS: D OBJ: 2-7.1 To solve and apply proportions

29. ANS: D OBJ: 2-7.1 To solve and apply proportions

30. ANS:
14

OBJ: 2-7.1 To solve and apply proportions

31. ANS:
20 gallons of gas

OBJ: 2-7.1 To solve and apply proportions

32. ANS: C OBJ: 3-1.1 To write, graph, and identify solutions of inequalities

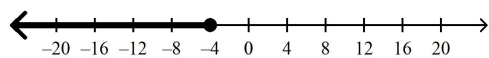
33. ANS: C OBJ: 3-1.1 To write, graph, and identify solutions of inequalities

34. ANS: A OBJ: 3-1.1 To write, graph, and identify solutions of inequalities

35. ANS: B OBJ: 3-1.1 To write, graph, and identify solutions of inequalities

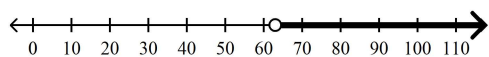
36. ANS: B OBJ: 3-1.1 To write, graph, and identify solutions of inequalities

37. ANS:
 $x \leq -4$



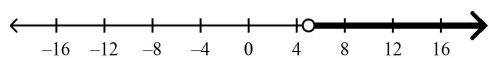
OBJ: 3-2.1 To use addition or subtraction to solve inequalities

38. ANS:
 $x > 63$



OBJ: 3-3.1 To use multiplication or division to solve inequalities

39. ANS:
 $s > 5$



OBJ: 3-3.1 To use multiplication or division to solve inequalities

40. ANS:
 $x > 6$

OBJ: 3-4.1 To solve multi-step inequalities

41. ANS:
12

OBJ: 3-4.1 To solve multi-step inequalities

42. ANS:
 $q \geq 3$

OBJ: 3-4.1 To solve multi-step inequalities

43. ANS:
 $k \geq -11$

OBJ: 3-4.1 To solve multi-step inequalities

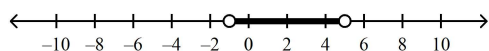
44. ANS: D OBJ: 3-4.1 To solve multi-step inequalities
 45. ANS: D OBJ: 3-6.1 To solve and graph inequalities containing the word and
 46. ANS: D OBJ: 3-6.1 To solve and graph inequalities containing the word and

47. ANS:
 $0 \leq x < 5$



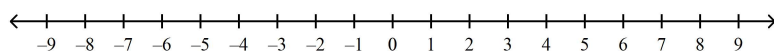
OBJ: 3-6.1 To solve and graph inequalities containing the word and

48. ANS:
 $-1 < x < 5$



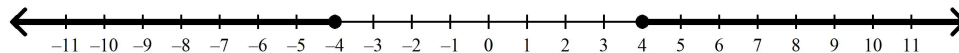
OBJ: 3-6.1 To solve and graph inequalities containing the word and

49. ANS:
 no solution



OBJ: 3-7.1 To solve equations and inequalities involving absolute value

50. ANS:
 $x \leq -4$ or $x \geq 4$



OBJ: 3-7.1 To solve equations and inequalities involving absolute value