

Final Exam Answer Section

1. ANS: A PTS: 1 DIF: Level B REF: MALG0862
STA: OH.OHACS.MTH.01.9.4.3
TOP: Lesson 6.1 Solve Inequalities Using Addition and Subtraction
KEY: graph | subtract | one-step | inequality | solve | integer BLM: Knowledge
NOT: 978-0-618-65612-7
2. ANS: A PTS: 1 DIF: Level B REF: MALG0867
STA: OH.OHACS.MTH.01.9.4.3
TOP: Lesson 6.1 Solve Inequalities Using Addition and Subtraction
BLM: Knowledge NOT: 978-0-618-65612-7
3. ANS: A PTS: 1 DIF: Level B REF: MALG0871
TOP: Lesson 6.2 Solve Inequalities Using Multiplication and Division
KEY: inequality | solve | integer | graph | divide | one-step BLM: Knowledge
NOT: 978-0-618-65612-7
4. ANS: B PTS: 1 DIF: Level C REF: MALG0876
STA: OH.OHACS.MTH.01.9.4.3
TOP: Lesson 6.2 Solve Inequalities Using Multiplication and Division
KEY: divide | inequality | word BLM: Application NOT: 978-0-618-65612-7
5. ANS: A PTS: 1 DIF: Level B REF: MALG0889
STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 6.3 Solve Multi-Step Inequalities
KEY: graph | inequality BLM: Knowledge NOT: 978-0-618-65612-7
6. ANS: B PTS: 1 DIF: Level B REF: MALG0896
TOP: Lesson 6.3 Solve Multi-Step Inequalities KEY: multi-step | inequality
BLM: Knowledge NOT: 978-0-618-65612-7
7. ANS: A PTS: 1 DIF: Level B REF: MALG0891
STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 6.3 Solve Multi-Step Inequalities
KEY: graph | inequality | solve | number line BLM: Knowledge
NOT: 978-0-618-65612-7
8. ANS: A PTS: 1 DIF: Level B REF: MALG0917
STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 6.4 Solve Compound Inequalities
KEY: linear | inequality | solve | integer | compound BLM: Knowledge
NOT: 978-0-618-65612-7
9. ANS: C PTS: 1 DIF: Level B
REF: 7f2a08ed-cdbb-11db-b502-0011258082f7
TOP: Lesson 6.4 Solve Compound Inequalities KEY: multi-step | compound inequality
BLM: Application NOT: 978-0-618-65612-7
10. ANS: A PTS: 1 DIF: Level A REF: MALG0937
TOP: Lesson 6.5 Solve Absolute Value Equations
KEY: absolute value | solve | integer | equation BLM: Knowledge
NOT: 978-0-618-65612-7
11. ANS: A PTS: 1 DIF: Level B REF: MALG0941
TOP: Lesson 6.5 Solve Absolute Value Equations KEY: absolute value | solve | equation
BLM: Knowledge NOT: 978-0-618-65612-7
12. ANS: A PTS: 1 DIF: Level B REF: MALG0948
TOP: Lesson 6.6 Solve Absolute Value Inequalities KEY: inequality | absolute value
BLM: Knowledge NOT: 978-0-618-65612-7

13. ANS: A PTS: 1 DIF: Level B REF: MALG0953
 TOP: Lesson 6.6 Solve Absolute Value Inequalities KEY: graph | absolute value | inequality
 BLM: Knowledge NOT: 978-0-618-65612-7
14. ANS: A PTS: 1 DIF: Level B REF: MALG0971
 STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 6.7 Graph Linear Inequalities in Two Variables
 KEY: graph | linear inequality BLM: Knowledge NOT: 978-0-618-65612-7
15. ANS: A PTS: 1 DIF: Level B REF: MALG0980
 STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 6.7 Graph Linear Inequalities in Two Variables
 KEY: inequality | linear | graph BLM: Knowledge NOT: 978-0-618-65612-7
16. ANS: A PTS: 1 DIF: Level B REF: MALG0988
 STA: OH.OHACS.MTH.01.9.4.9 TOP: Lesson 7.1 Solve Linear Systems by Graphing
 KEY: system | graph BLM: Knowledge NOT: 978-0-618-65612-7
17. ANS: A PTS: 1 DIF: Level B REF: MALG1012
 STA: OH.OHACS.MTH.01.9.4.9 TOP: Lesson 7.2 Solve Linear Systems by Substitution
 KEY: substitution | two variables | linear | solve system BLM: Knowledge
 NOT: 978-0-618-65612-7
18. ANS: A PTS: 1 DIF: Level B REF: MALG1022
 STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 7.2 Solve Linear Systems by Substitution
 KEY: solve | word | system BLM: Application NOT: 978-0-618-65612-7
19. ANS: A PTS: 1 DIF: Level A REF: MALG1032
 STA: OH.OHACS.MTH.01.9.4.9
 TOP: Lesson 7.3 Solve Linear Systems by Adding or Subtracting
 KEY: solve | equation | system | linear | unique BLM: Knowledge
 NOT: 978-0-618-65612-7
20. ANS: D PTS: 1 DIF: Level A REF: MALG1036
 STA: OH.OHACS.MTH.01.9.4.9
 TOP: Lesson 7.3 Solve Linear Systems by Adding or Subtracting
 KEY: linear system | solution | elimination BLM: Knowledge
 NOT: 978-0-618-65612-7
21. ANS: B PTS: 1 DIF: Level B REF: MAL20356
 TOP: Lesson 7.3 Solve Linear Systems by Adding or Subtracting
 KEY: linear | solve system | substitution | two variables BLM: Knowledge
 NOT: 978-0-618-65612-7
22. ANS: D PTS: 1 DIF: Level B REF: MALG1047
 STA: OH.OHACS.MTH.01.9.4.3 | OH.OHACS.MTH.01.9.4.9
 TOP: Lesson 7.4 Solve Linear Systems by Multiplying First
 KEY: linear | variables | two | equation | word | system BLM: Application
 NOT: 978-0-618-65612-7
23. ANS: A PTS: 1 DIF: Level B REF: MALG1063
 STA: OH.OHACS.MTH.01.9.4.9 TOP: Lesson 7.5 Solve Special Types of Linear Systems
 KEY: linear | no solution | system(2) | solve | equation BLM: Application
 NOT: 978-0-618-65612-7
24. ANS: B PTS: 1 DIF: Level A REF: MALG1076
 STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 7.6 Solve Systems of Linear Inequalities
 KEY: graph | linear inequalities BLM: Knowledge NOT: 978-0-618-65612-7
25. ANS: A PTS: 1 DIF: Level B REF: MALG1079
 STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 7.6 Solve Systems of Linear Inequalities
 KEY: system | linear inequalities BLM: Knowledge NOT: 978-0-618-65612-7

26. ANS: C PTS: 1 DIF: Level B REF: MALG1098
 TOP: Lesson 8.1 Apply Exponent Properties Involving Products
 KEY: simplify | exponent | multiply | product rule BLM: Knowledge
 NOT: 978-0-618-65612-7
27. ANS: A PTS: 1 DIF: Level B REF: MALG1100
 TOP: Lesson 8.1 Apply Exponent Properties Involving Products
 KEY: simplify | exponent | multiply | product rule BLM: Knowledge
 NOT: 978-0-618-65612-7
28. ANS: A PTS: 1 DIF: Level B REF: MALG1127
 TOP: Lesson 8.2 Apply Exponent Properties Involving Quotients
 KEY: exponent | power | quotient | power to a power | fraction | simplify | monomial | exponent law
 BLM: Comprehension NOT: 978-0-618-65612-7
29. ANS: A PTS: 1 DIF: Level A REF: MALG1122
 TOP: Lesson 8.2 Apply Exponent Properties Involving Quotients
 KEY: exponents | divide BLM: Knowledge NOT: 978-0-618-65612-7
30. ANS: B PTS: 1 DIF: Level A REF: MALG1131
 TOP: Lesson 8.3 Define and Use Zero and Negative Exponents
 KEY: zero | exponent | multiply BLM: Knowledge NOT: 978-0-618-65612-7
31. ANS: B PTS: 1 DIF: Level B REF: MALG1141
 STA: OH.OHACS.MTH.01.9.4.12 TOP: Lesson 8.3 Define and Use Zero and Negative Exponents
 KEY: exponent | divide | multiply | negative | integer | simplify BLM: Comprehension
 NOT: 978-0-618-65612-7
32. ANS: A PTS: 1 DIF: Level A REF: MALG1158
 TOP: Lesson 8.4 Use Scientific Notation KEY: scientific notation
 BLM: Knowledge NOT: 978-0-618-65612-7
33. ANS: A PTS: 1 DIF: Level B REF: MALG1174
 TOP: Lesson 8.4 Use Scientific Notation KEY: multiply | product | scientific notation
 BLM: Comprehension NOT: 978-0-618-65612-7
34. ANS: B PTS: 1 DIF: Level A REF: MALG1194
 TOP: Lesson 8.4 Use Scientific Notation KEY: scientific notation
 BLM: Application NOT: 978-0-618-65612-7
35. ANS: D PTS: 1 DIF: Level B REF: MAL21007
 TOP: Lesson 8.5 Write and Graph Exponential Growth Functions
 KEY: word | log | compound interest BLM: Application NOT: 978-0-618-65612-7
36. ANS: D PTS: 1 DIF: Level B REF: MAL21024
 TOP: Lesson 8.5 Write and Graph Exponential Growth Functions
 KEY: word | exponential growth BLM: Application NOT: 978-0-618-65612-7
37. ANS: B PTS: 1 DIF: Level B REF: MALG1206
 STA: OH.OHACS.MTH.01.9.4.3
 TOP: Lesson 8.6 Write and Graph Exponential Decay Functions
 KEY: graph | exponential | function BLM: Knowledge NOT: 978-0-618-65612-7
38. ANS: D PTS: 1 DIF: Level B REF: MALG1214
 STA: OH.OHACS.MTH.01.9.4.3
 TOP: Lesson 8.6 Write and Graph Exponential Decay Functions
 KEY: equation | exponential | growth | decay | write BLM: Knowledge
 NOT: 978-0-618-65612-7

39. ANS: A PTS: 1 DIF: Level B REF: MALG1221
TOP: Lesson 9.1 Add and Subtract Polynomials KEY: polynomial | degree
BLM: Comprehension NOT: 978-0-618-65612-7
40. ANS: A PTS: 1 DIF: Level B REF: MALG1239
STA: OH.OHACS.MTH.01.9.4.11 TOP: Lesson 9.1 Add and Subtract Polynomials
KEY: add | polynomial | subtract BLM: Application NOT: 978-0-618-65612-7
41. ANS: C PTS: 1 DIF: Level B REF: MALG1263
STA: OH.OHACS.MTH.01.9.4.11 TOP: Lesson 9.2 Multiply Polynomials
KEY: polynomial | multiply BLM: Comprehension
NOT: 978-0-618-65612-7
42. ANS: A PTS: 1 DIF: Level B REF: MALG1266
STA: OH.OHACS.MTH.01.9.4.11 TOP: Lesson 9.2 Multiply Polynomials
KEY: multiply | polynomial BLM: Comprehension
NOT: 978-0-618-65612-7
43. ANS: A PTS: 1 DIF: Level A REF: MALG1291
STA: OH.OHACS.MTH.01.9.4.11 TOP: Lesson 9.3 Find Special Products of Polynomials
KEY: binomial | multiply | foil | difference of two squares BLM: Knowledge
NOT: 978-0-618-65612-7
44. ANS: C PTS: 1 DIF: Level A REF: MALG1317
TOP: Lesson 9.5 Factor $x^2 + bx + c$ KEY: trinomial | binomial | factor
BLM: Knowledge NOT: 978-0-618-65612-7
45. ANS: C PTS: 1 DIF: Level B REF: MALG1335
STA: OH.OHACS.MTH.01.9.4.10 TOP: Lesson 9.7 Factor Special Products
KEY: perfect square trinomial | equation | BLM: Application
NOT: 978-0-618-65612-7
46. ANS: D PTS: 1 DIF: Level B REF: MALG1346
STA: OH.OHACS.MTH.01.9.4.4 TOP: Lesson 9.8 Factor Polynomials Completely
KEY: cubic equation | solve | factor BLM: Comprehension
NOT: 978-0-618-65612-7
47. ANS: B PTS: 1 DIF: Level A REF: MALG1349
STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 10.1 Graph $y = ax^2 + c$
KEY: graph | quadratic BLM: Knowledge NOT: 978-0-618-65612-7
48. ANS: B PTS: 1 DIF: Level B REF: MALG1373
STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 10.2 Graph $y = ax^2 + bx + c$
KEY: graph | parabola | equation | quadratic BLM: Comprehension
NOT: 978-0-618-65612-7
49. ANS: A PTS: 1 DIF: Level B REF: MALG1391
STA: OH.OHACS.MTH.01.9.4.3 TOP: Lesson 10.3 Solve Quadratic Equations by Graphing
KEY: graph | solve | word | quadratic BLM: Application NOT: 978-0-618-65612-7
50. ANS: B PTS: 1 DIF: Level B REF: MALG1401
STA: OH.OHACS.MTH.01.9.4.4 TOP: Lesson 10.4 Use Square Roots to Solve Quadratic Equations
KEY: solve | quadratic | square BLM: Comprehension
NOT: 978-0-618-65612-7
51. ANS: B PTS: 1 DIF: Level B REF: MALG1414
TOP: Lesson 10.5 Solve Quadratic Equations by Completing the Square
KEY: square | solve | equation | quadratic | complete the square BLM: Comprehension
NOT: 978-0-618-65612-7

52. ANS: A PTS: 1 DIF: Level B REF: MALG1419
 TOP: Lesson 10.5 Solve Quadratic Equations by Completing the Square
 KEY: solve | quadratic | completing the square BLM: Comprehension
 NOT: 978-0-618-65612-7
53. ANS: D PTS: 1 DIF: Level A REF: MALG1424
 STA: OH.OHACS.MTH.01.9.4.10
 TOP: Lesson 10.6 Solve Quadratic Equations by the Quadratic Formula
 KEY: solve | equation | quadratic | formula BLM: Knowledge
 NOT: 978-0-618-65612-7
54. ANS: A PTS: 1 DIF: Level B REF: MALG1433
 TOP: Lesson 10.6 Solve Quadratic Equations by the Quadratic Formula
 KEY: equation | quadratic | method | solve BLM: Analysis
 NOT: 978-0-618-65612-7
55. ANS: A PTS: 1 DIF: Level B REF: MALG1440
 TOP: Lesson 10.7 Interpret the Discriminant
 KEY: equation | solution | quadratic | discriminant BLM: Comprehension
 NOT: 978-0-618-65612-7