

Chapter 1

- | | | | |
|-------------------------|---------------------|-------------------------|-------------------------|
| 1. Order of operations | 6. Rational numbers | 11. Equation | 16. Compound inequality |
| 2. Algebraic expression | 7. Integers | 12. Solution | 17. Intersection |
| 3. Formula | 8. Whole numbers | 13. Absolute value | 18. Union |
| 4. Real numbers | 9. Natural numbers | 14. Empty set | |
| 5. Irrational numbers | 10. Variable | 15. Trichotomy property | |

Chapter 2

- | | | | |
|-------------------------------|--|-------------------------|-------------------------------|
| 1. Cartesian coordinate plane | 7. Discrete function | 12. x-intercept | 18. Slope-intercept form |
| 2. Relation | 8. Continuous function | 13. y-intercept | 19. Point-slope form |
| 3. Domain | 9. Vertical line test | 14. Slope | 20. Greatest integer function |
| 4. Range | 10. Standard form of a linear equation | 15. Family of graphs | 21. Direct variation |
| 5. Mapping | 11. Constant function | 16. Parallel lines | 22. Identity function |
| 6. Function | | 17. Perpendicular lines | 23. Absolute value function |

Chapter 3

- | | | | |
|------------------------|---------------------------|-----------------------|--|
| 1. system of equations | 5. dependent system | 9. linear programming | <u>Describe the steps used in the:</u> |
| 2. consistent system | 6. system of inequalities | 10. unbounded | 12. substitution method |
| 3. inconsistent system | 7. constraints | 11. ordered triple | 13. elimination method |
| 4. independent system | 8. feasible region | | |

Chapter 4

- | | | | |
|-----------------|--------------------------|-----------------------------|-------------------------|
| 1. matrix | 5. scalar multiplication | 9. translation | 13. expansion by minors |
| 2. element | 6. equal matrices | 10. rotation | 14. inverse |
| 3. dimensions | 7. transformations | 11. determinant | 15. identity matrix |
| 4. matrix logic | 8. dilation | 12. third-order determinant | 16. matrix equation |

Chapter 5

- | | | | |
|---------------|-----------------|------------------------------|-----------------------------------|
| 1. monomial | 6. constants | 11. power | 16. rationalizing the denominator |
| 2. binomial | 7. FOIL method | 12. nth root | 17. imaginary unit |
| 3. trinomial | 8. factors | 13. principal root | 18. pure imaginary number |
| 4. polynomial | 9. prime number | 14. like radical expressions | 19. complex conjugates |
| 5. term | 10. coefficient | 15. rational exponent | 20. extraneous solution |

Chapter 6

- | | | | |
|-----------------------|---------------------|---------------|------------------|
| 1. quadratic function | 6. axis of symmetry | 11. root | 16. discriminant |
| 2. quadratic term | 7. vertex | 12. factoring | |

- | | | |
|------------------|-----------------------|---------------------------|
| 3. linear term | 8. zero | 13. zero product property |
| 4. constant term | 9. quadratic equation | 14. completing the square |
| 5. parabola | 10. solution | 15. quadratic formula |

Chapter 7

Vocabulary Assignment planned, instead of a Vocabulary Test.

Chapter 8

- | | | |
|---------------------------|------------------------------------|--|
| 1. polynomial function | 6. relative maximum | 11. complex conjugates theorem |
| 2. degree of a polynomial | 7. relative minimum | 12. quadratic form |
| 3. leading coefficient | 8. zero | 13. Finally (this isn't in the glossary), describe the characteristics of the graphs of odd-degree and even-degree polynomial functions. |
| 4. synthetic substitution | 9. root | |
| 5. depressed polynomial | 10. fundamental theorem of algebra | |

Chapter 9

- | | |
|--|----------------------------------|
| 1. asymptotes | 6. inverse variation |
| 2. complex fraction | 7. joint variation |
| 3. constant of variation | 8. point of discontinuity |
| 4. continuity | 9. rational algebraic expression |
| 5. direct variation (2 nd def.) | 10. rational equation |
| | 11. rational function |

Chapter 10

- | | |
|-------------------------|--|
| 1. exponential function | 7. common logarithm |
| 2. logarithm | 8. antilogarithm |
| 3. logarithmic function | 9. natural logarithm |
| 4. product property | 10. exponential equation |
| 5. quotient property | 11. change of base formula |
| 6. power property | 12. general formula for growth and decay |