

California State University San Marcos
Math 051
Intermediate Algebra
Fall 2003
ALEKS Assignment 1 Topics (49 of 227 topics)

- Real Numbers and Linear Equations
 - Real Numbers
 1. Integer and rational numbers
 2. Integer, rational and irrational numbers
 3. Evaluation of a linear expression in two variables
 4. Evaluation of a polynomial in one variable
 5. Translating expressions, basic
 6. Translating sentences into mathematical expressions, basic
 7. Writing an inequality
 8. Writing a compound inequality
 9. Mean of a data set
 10. Median of a data set
 11. Interpreting graphs
 12. Random samples and prediction
 13. Distributive Property, simple
 14. Distributive Property, advanced
 15. Combining like terms, basic
 16. Properties of addition
 17. Properties of the real numbers
 - Solving Linear Equations
 1. Additive property of equality: Problem type 1
 2. Additive property of equality: Problem type 2
 3. Additive property of equality: Problem type 3
 4. Multiplicative property of equality: Problem type 1
 5. Multiplicative property of equality: Problem type 2
 6. Solving a linear equation: Problem type 1
 7. Solving a linear equation: Problem type 2
 8. Solving a linear equation: Problem type 3
 9. Solving a linear equation with several occurrences of the variable: Problem type 1
 10. Solving a linear equation with several occurrences of the variable: Problem type 2
 11. Solving a linear equation with several occurrences of the variable: Problem type 3
 12. Solving a linear equation with several occurrences of the variable: Problem type 4
 13. Solving a linear equation with several occurrences of the variable: Problem type 5
 14. Solving a linear inequality: Problem type 1
 15. Solving a linear inequality: Problem type 2

16. Solving a linear inequality: Problem type 3
 17. Solving a linear inequality: Problem type 4
 18. Graphing a linear inequality on the number line
 19. Graphing a compound linear inequality on the number line
 20. Word problem on proportions: Problem type 2
 21. Word problem with percent and money: Problem type 1
 22. Sides of polygons having the same perimeter
 23. Area and perimeter of a rectangle
- Absolute Value
 1. Solving a linear equation with absolute value: Problem type 1
 2. Solving a linear equation with absolute value: Problem type 2
 3. Solving a linear inequality with absolute value
 4. Graphing a linear inequality with absolute value on the number line
- Graphs and Functions
 - Ordered Pairs
 1. Reading a point in the coordinate plane
 2. Plotting a point in the coordinate plane
 3. Solutions to a linear equation in two variables: Problem type 1
 4. Solutions to a linear equation in two variables: Problem type 2
- Rational Expressions and Functions
 - Direct and Inverse Variations
 1. Similar Polygons