

Just-In-Time Math Skills Support for Linear Programming and Statistics Summary

Graphing:

Know The Following Definitions

- Table of Values
- Independent Variable
- Dependent Variable
- Ordered Pair
- x-axis and y-axis
- Linear equation in two variables
- Graph
- x-intercept and y-intercept
- Slope
- Slope-intercept form of an equation of a straight line
- The point-slope form of an equation of a straight line
- Linear inequality in two variables

Be Able To

- Create a table of values from an algebraic equation
- Plot ordered pairs
- Determine if given ordered pairs are solutions of linear equations in two variables
- Complete table of values for linear equations in two variables
- Construct graphs by plotting points for linear equations in one variable and two variables
- Find the x-intercept and y-intercept
- Construct a graph using the x-intercept and y-intercept
- Find the slope given two points
- Construct a graph using the slope and y-intercept
- Find the equation of a line given the slope and y-intercept
- Find the equation of a line given one point and a slope
- Find the equation of a line given two points
- Construct a graph of a linear inequality in two variables

Systems of Equations and Inequalities:

Know The Following Definitions

- Substitution Method
- Addition/Elimination Method

Be Able To

- Solve systems of equation by graphing
- Solve systems of equations using the substitution method
- Solve systems of equations using the addition/elimination
- Graph systems of linear inequalities