NAME Solving Systems of Linear Equations Module 10 and Inequalities Lesson 3 Solving Systems of Linear Equations by Substitution **Lesson Objective** • Solve systems of linear equations by substitution. Methods of solving systems of linear Solve by substitution: 2) equations: y = x - 3• Graphing x + y = 5 Elimination (4, 1) • Substitution (3) Solve by substitution: An ordered pair (x, y) is the solution to a 3x + 4y = 18system of two linear equations if it satisfies 2x - y = 1both _____ equations. (2, 3) A system of linear equations has either zero, one ____, or Solve by substitution: an infinite number of solutions. 3x + y = 2If two expressions are equal 6x + 2y = 7one can be substituted for the other in any No solution equation Solve by substitution: (5 (1) Solve by substitution: x = 3y + 7y = 3x = 2y - 13x - 2y = 6(-17, -8) (4, 3) © 2003 BestQuest

Module 10 Lesson 3

Guided Notes

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