Algebra 1 Unit 2B Systems of Equations & Inequalities N

Name: _____

Solve the System using substitution.





 17. Sarah is selling bracelets and earrings. The bracelets cost \$2 each and earrings cost \$4 each. She needs to make at least \$40. a) Write an inequality to represent the income from jewelry sales. b) Graph the inequality. c) Give a solution to your inequality and explain what it means. 	
 18. A vendor sells cotton candy(x) and sodas at baseball games(y). He knows he must buy twice as much cotton candy as sodas. He can buy sodas for \$0.50 per can and cotton candy \$1.00 per package. The vendor plans to spend no more than \$250 buying both items for the next game. a) Write two inequalities representing the information above. 	Vendor Purchases
b) Using the graph to the right, Which region represents the solution to the system of inequalities? A, B, C, or D?	Packages of Cotton Candy