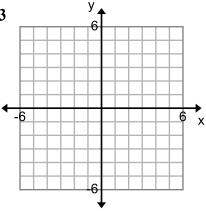
Name:	Period:	Score:/
<u>HW 6-</u>	-1 HONORS: Graphing Inequalities & Writing Equations	% =
1.	1. When you go to Little Caesar's to buy food for a family party, you find out they charge \$5 for each pizza and \$2 for an order of breadsticks. You spend \$50 on the food (before tax).	
	a. Write an equation to represent this situation.	
	b. List three different combinations of pizza and breadsticks yo	ou could have purchased.
2.	You purchase a car for \$6000. The car depreciates in value by 8% each to represent this situation.	h year. Write an equation
3.	You purchase movie tickets for a group to attend the first showing of a each adult ticket and \$6.00 for each child ticket. You spent \$60 on the a. Write an equation to represent this situation.	
	a. Write an equation to represent this situation.	
	b. List three different combinations of child and adult tickets y	ou could have purchased.
4.	Dave is going on a backpacking trip. He has packed 62 pounds of food backpack. To ensure he has enough food for the trip he is eating 3 pour Write an equation to represent this situation.	
5.	The city of Pythagoras started with a population of 34,000 people. The rate of 5% each year. Write an equation to represent this situation.	e city was growing at a
6.	Becca is saving for a trip this summer. She starts a savings account wi week in allowance that she plans on putting into the account. Write an	

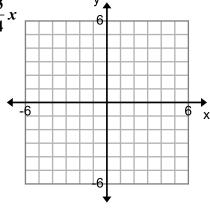
situation.

Sketch a graph of the linear inequality.

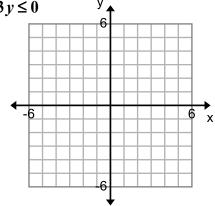
7. y > -3

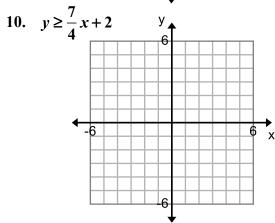


 $8. \quad y \le \frac{3}{4}x$

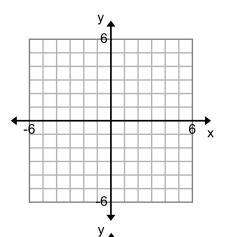


 $9. \quad x+3y \le 0$





11. $x \ge 1$



12. $7x-3y \ge 9$

