SYSTEMS OF INEQUALITIES



Warm-Up Notes p. 84 **Exit Ticket**

Homework

- Practice #1 - 8

Reminders

- Test Friday
- All Unit 6 HW due Friday
- Test Corrections due Fri

Essential Question

How do I find possible solutions to a system of inequalities?

Turn in Systems Newsletter NOW!!!

Warm-Up 00:00 00



Chris wants to order DVDs over the internet. Each DVD costs \$15.99 and shipping for the order costs \$9.99. Chris has no more than \$100 to spend.

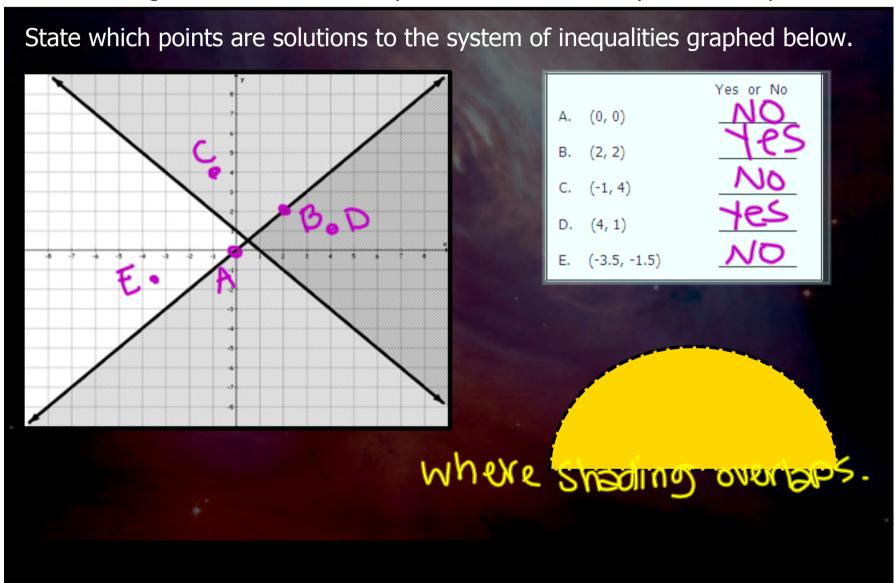
1. Write an inequality that represents Chris' situation.

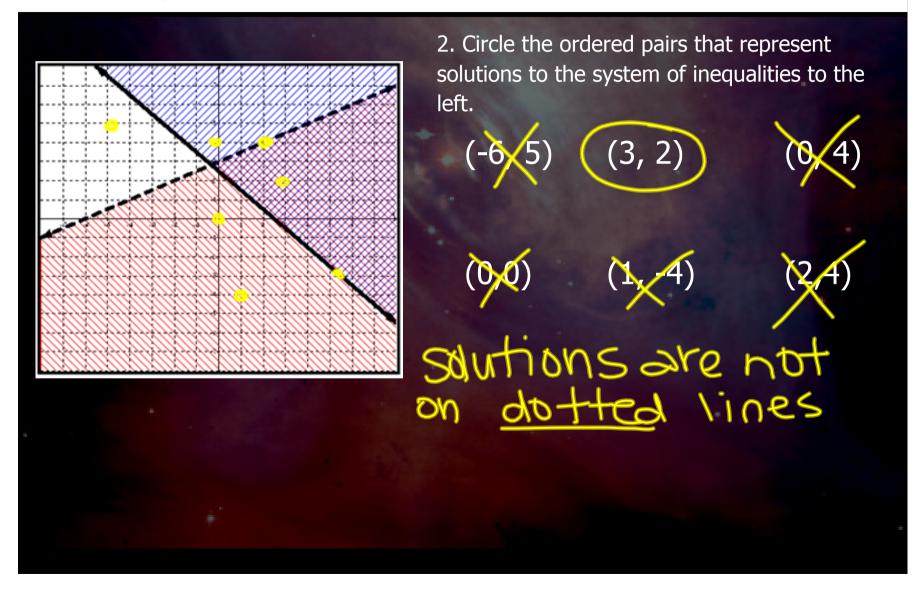
 $15.99 \times + 9.99 \leq 100$

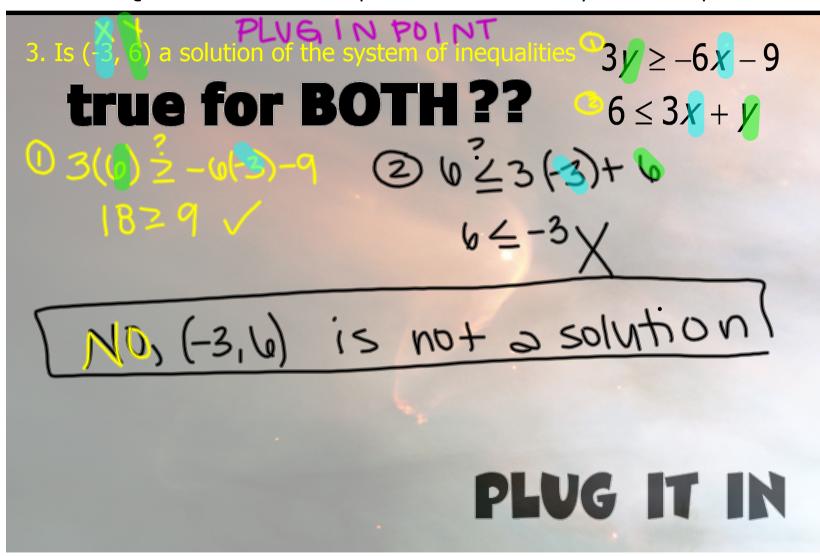
2. How many DVDs can Chris order without exceeding his \$100 limit? Justify your answer mathematically. 5.6

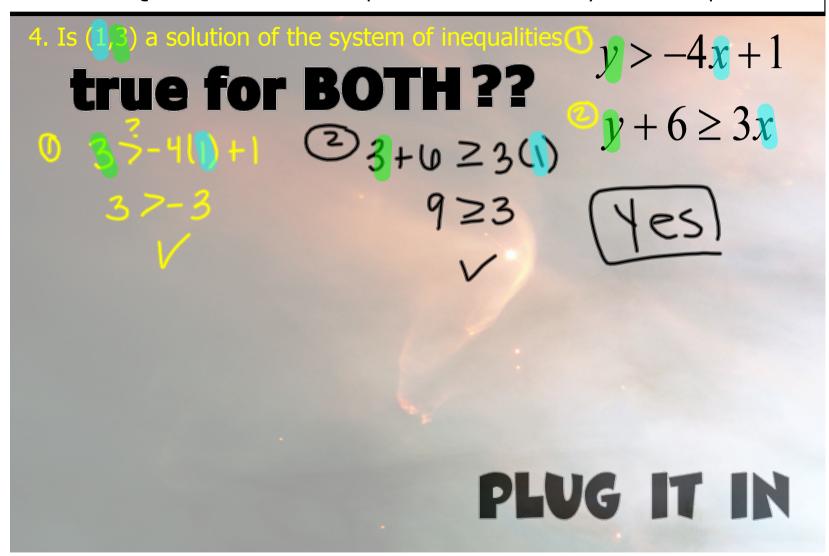
5 DVDS

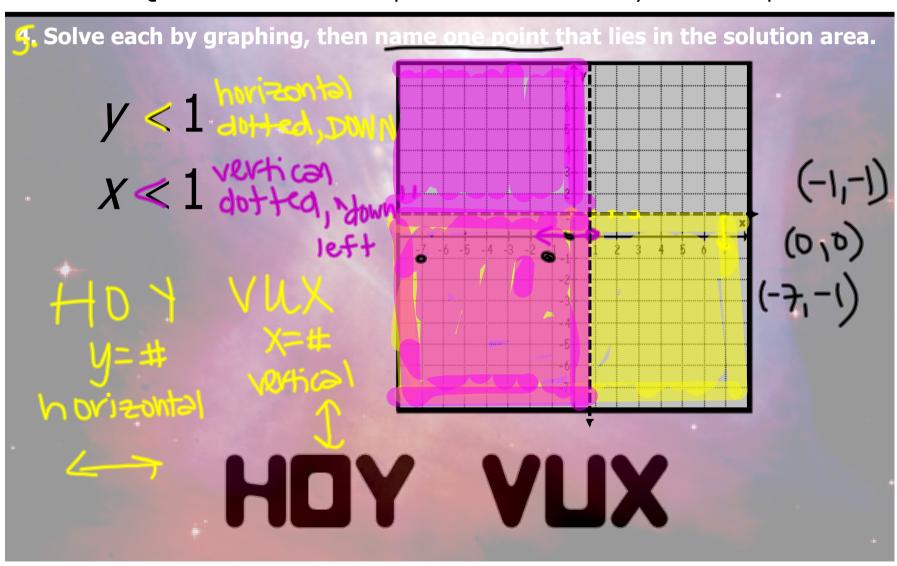
To graph a line you need a and ay -intercept GRAPHING INEQUALITIES						
* 1 must		Shade UP	Shade DOWN			
the aniest	Dotted					
	Solid					
	3011G	\geq				
I. Graph the lin	ear inco	qualities				
$y \ge -x+1$	•					
$m=-1$ $m=\frac{1}{1}$						
b=1 b=0						
SOLID SOLID						
VP	1	2 MM C				

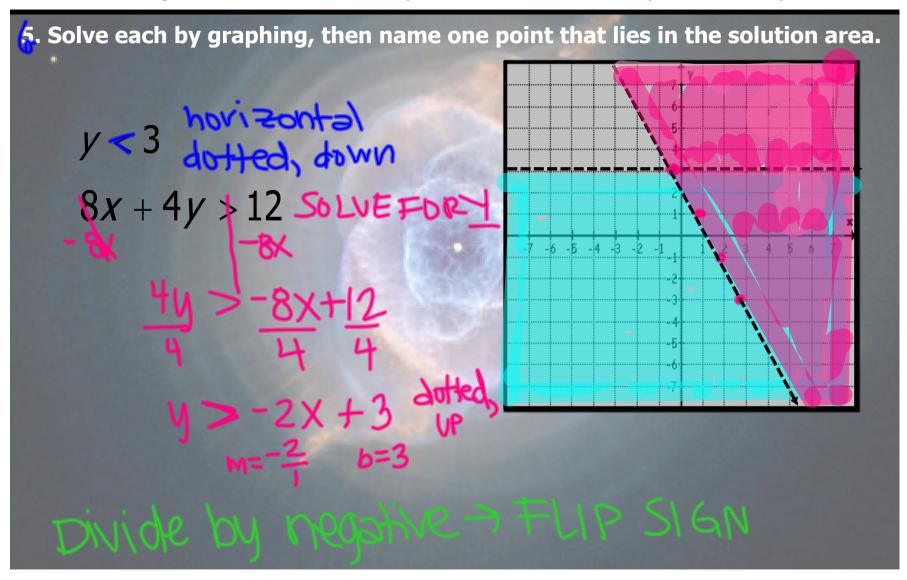


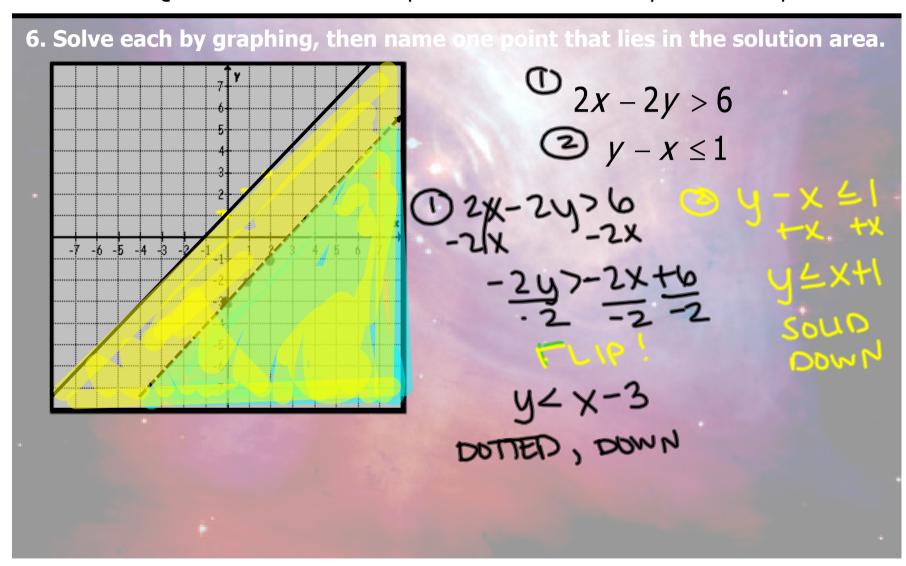


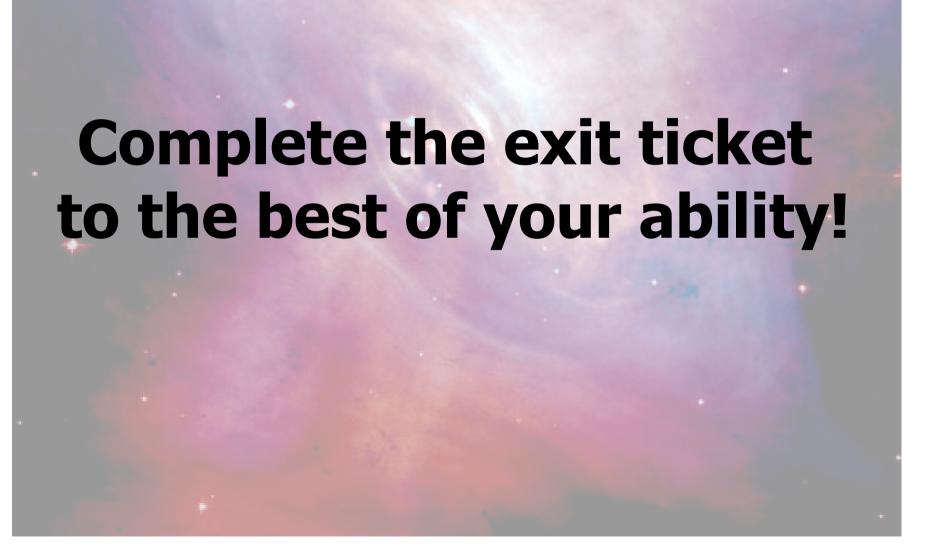












Notebooks

- Test corrections/Blitz makeups - must be done by FRIDAY in tutorials
- Test Friday all of unit 6
 possibility to raise your
 first test score
- ALL HW (4.1, 4.2, 4.3,
 4.4, and 4.5) due Friday

Test Averages:

2nd - 61

3rd - 67

4th - 66

5th - 64

This progress report was last updated THURSDAY. Does not need to be signed!!

Tutoring Availability: Wed 4:15-5:00PM

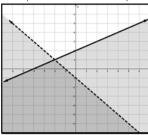
Tues/Thurs 8:15-9:00 AM

All other times: you must make an appointment (by email)

Algebra I - Unit 6: Topic 2

Practice — Systems of Inequalities		pp 421-426	
Name	Date	Period	

1. State which points are solutions to the system of inequalities graphed below.



		Yes or No
Α.	(0, 0)	
в.	(-3, 0)	
c.	(-1, -5)	
D.	(1, -2)	

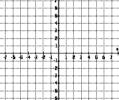
2. Is (2, -3) a solution of the system of inequalities $8 \ge 2x - y$ and 2y < -4x - 2?

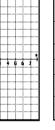
Solve each by graphing, then name one point that lies in the solution area.

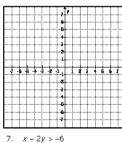
3.
$$y \ge 2x$$

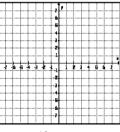
 $x \ge -1$

$$4. \quad y < x - 1$$
$$y \le 2x + 1$$



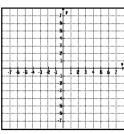


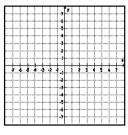


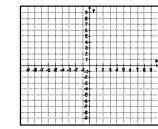


- 6. $y \ge x + 1$ $4x + 5y \ge 20$
- $2x + 2y \ge 5$
- 8. $x + y \le 8$ $x \ge 0$



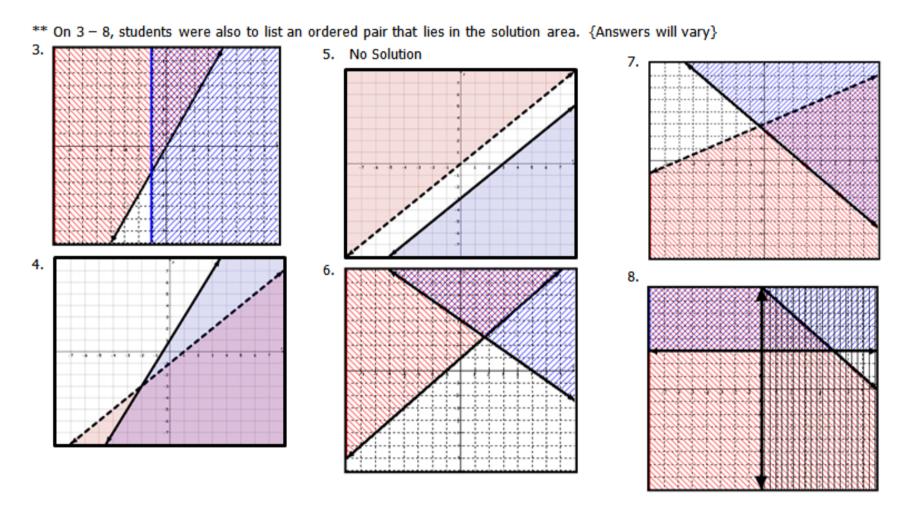






Answers:

- 1. A. No, B. Yes, C. Yes, D. No, E. No, F. Yes
- 2. No, (2, -3) is not a solution.



Congrats !! You Rock!!!

- Medals Day FRIDAY! Wear your medals & AcDec Polo or Region shirt
- Parents Meeting for state probably Thursday 5:30PM
- Regular Practice/Lunch schedule starts tmr
- Make a thank-you card for Bruner & I need shirt sizes!
- We will have score conferences tomorrow.
- HOWEVER, you must be passing all your classes!!
- Where do we want to focus?