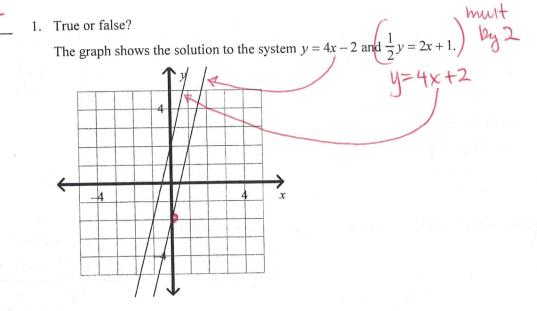
Name:	Ley	Period:
	-1-7	I eriou

(3y-4) - 15y = -205y - 20 - 15y = -20-20 = -20

Unit 4 Test Alg 1

True/False

Indicate whether the statement is true or false.

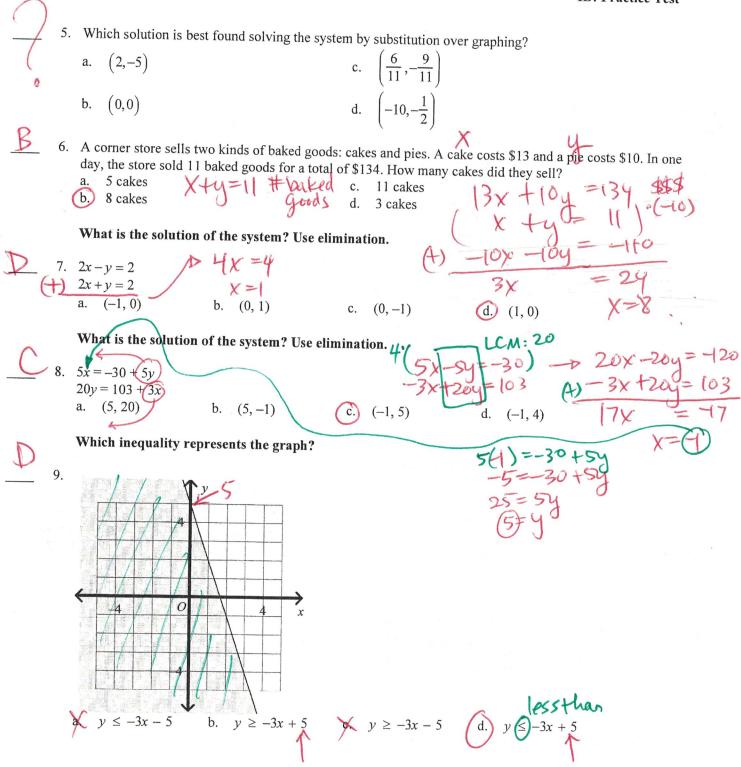


Multiple Choice

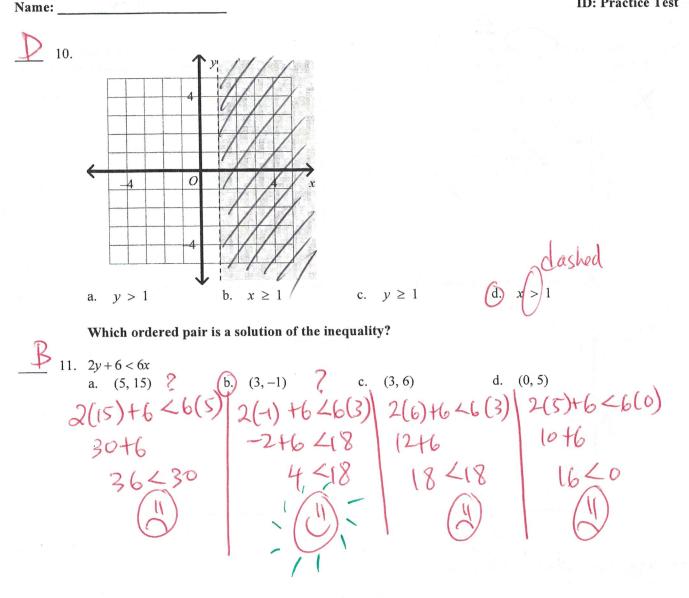
Identify the choice that best completes the statement or answers the question. Write the letter of your answer on the line provided to the left.

2. Tom has a collection of 30 CDs and Nita has a collection of 10 CDs. Tom is adding 3 CDs a month to his collection while Nita is adding 7 CDs a month to her collection. Find the number of months after which they will have the same number of CDs.

(c) 5 months d. 45 months 30 + 3x = 10 + 7x = 4x 5 = x2 months a. 3 months b. What is the solution of the system? Use substitution. 6x - 2y = 6 2x - y = 7 a, (-4, -15) b, (2, 3) b, (2, 3) b, (2, -3) b, (2, -3) b, (2, -3) b, (2, -3) b, (2, -3)3. 6x - 2y = 6d. (-2, -8)How many solutions does the system have? 4. $x \in 3y - 4$ 5x - 15y = -20infinitely many solutions a. one solution no solution d. two solutions b.___



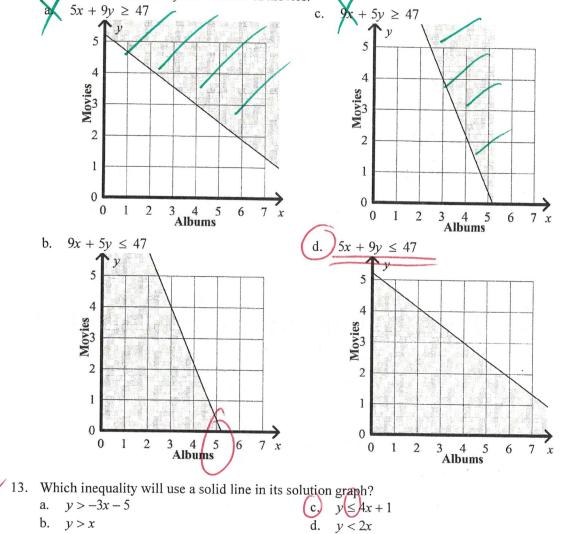
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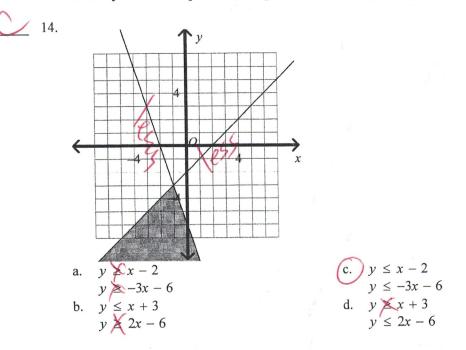
D

12. You have \$47 to spend on music and movie downloads. Each album download costs \$5 and each movie download costs \$9. Write and graph a linear inequality that represents this situation. Let x represent the number of albums and y the number of movies.



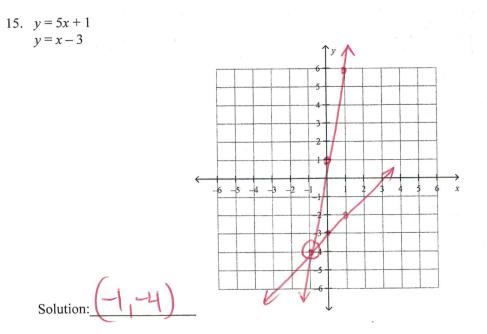


What system of inequalities is represented by the graph?

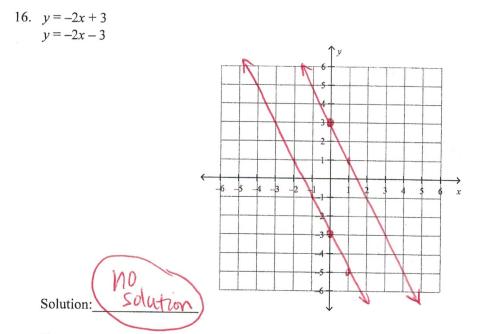


Short Answer: Show all work for credit. Write your final answer on the line provided.

What is the solution of the system? Use a graph.



What is the solution of the system? Use a graph.



How many solutions does the system have?

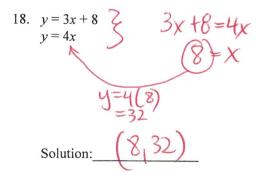
17. y = 4x + 64y - 16x = 12

4(4x+6)-16x=1216x+29-16x=1229=12

Number of solutions:

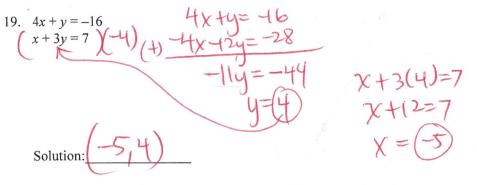
What is the solution of the system? Use substitution.

hone

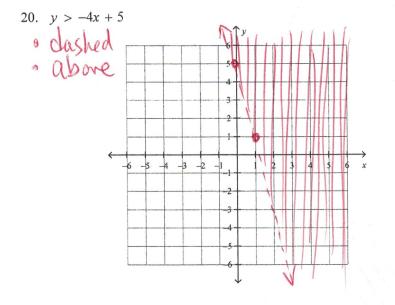


Name: ____

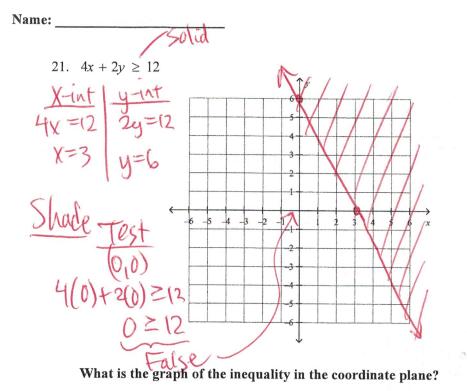
What is the solution of the system? Use elimination.

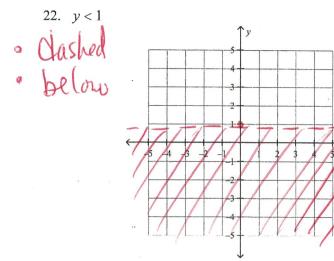


Graph the inequality.



ID: Practice Test



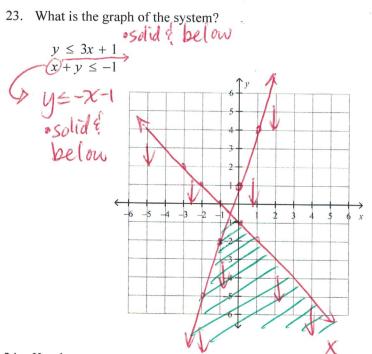


.80

,20

.20

1.20 ty -1.20 J



24. Kendra owns a restaurant. She charges \$3.00 for 2 eggs and one piece of toast, and \$1.80 for one egg and one piece of toast. How much does Kendra charge for an egg? A piece of toast?

Cost for an egg: $\underbrace{1.20}_{\text{Cost for a piece of toast:}}$ \$0.60