## Teacher

RETEST REVIEW: SYSTEMS OF EQUATIONS         Solve each system by the method specified.         1) Solve by graphing in the calculator. Sketch the graph.	NAME	Test Grade: Deadline:Wed, Jan 31						
Solve each system by the method specified.         1) Solve by graphing in the calculator. Sketch the graph. $y = -\frac{1}{2}x + 2$ $y1 = $ $3x + 4y = 12$ $y2 = $ $y2 = $ $y2 = $ Solution: $y2 = $ 2) Solve by graphing in the calculator. Sketch the graph. $y1 = $ Line 1: $y = 3x + 4$ $y1 = $ Line 2: $\frac{x + 1}{2}$ $y2 = $ Solution: $y2 = $ Solution: $y2 = $ Solution: $x + 4y = 12$ Solution: $y2 = $ $x = 2$ $x + 4y = 12$ $y2 = $ $y2 = $ $x = 3 + 4$ $y1 = $ $y2 = $ $y2 = $ $y2 = $ $y2 = $ $x = 2$ $x = 4$ $y = 2$ $y = 2$ Solution: $x = 3 + 4$ $y = 2$ $y = 2$ Solution: $x = 4$ $y = 4$ $y = 4$ Solution: $x = 3y = 6$ Solution:       Solution:         Solution:       Solution:	RETEST REVIEW	I: SYSTEMS OF EQUATIONS						
1) Solve by graphing in the calculator. Sketch the graph. $y = -\frac{1}{2}x + 2$ $y1 =$	Solve each system by the method specified.							
$y = -\frac{1}{2}x + 2$ $y1 =$	1) Solve by graphing in the calculator. Sket	ch the graph. ▲						
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Solution:	y2 =							
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Solution: 2) Solve by graphing in the calculator. Sketch the graph. Line 1: $y = 3x + 4$ $y1 = $ Line 2: $x = y$ $\frac{y}{2} = \frac{1}{1}$ y2 = Solution: 3) Solve using a matrix. 2x + 5y = 17 6x - 5y = -9 Solution: Sol								
Solution: 2) Solve by graphing in the calculator. Sketch the graph. Line 1: $y = 3x + 4$ $y_1 = $ Line 2: $x = y_1$ $\frac{2}{2} - \frac{11}{1}$ $\frac{1}{-1} - \frac{-8}{2}$ 2 = Solution: 3) Solve using a matrix. 2x + 5y = 17 6x - 5y = -9 Solution:								
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6x - 5y = -9 4x - 3y = 6 Solution: Solution:	2x + 5y = 17	8x - 6y = 12						
6x – 5y = -9 4x – 3y = 6 Solution: Solution:								
Solution: Solution:	6x - 5y = -9	4x - 3y = 6						
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## For each word problem, set up a system of equations, and solve for the value(s) indicated.

7) If 8 pens and 7 pencils cost \$3.37 while 5 pens and 11 pencils cost \$3.10, how much does each	
pen and pencil cost?	

Equations:\_\_\_\_\_

Solution:\_\_\_\_\_

8) A restaurant sold a total Large hamburgers sold for were sold?	of 418 hamburgers during one day. Total hamburger sales were \$1077. \$3, and small hamburgers sold for \$1.50. How many large hamburgers
	Equations:
Solution:	
9) Holt bought a la pizza is 5 more than 3 time the price of the pizza and d	rge pizza and a liter of drink for \$11, not including tax. The price of the s the price of the drink. Which system of equations can be used to find p, , the price of the drink?
A. p+d=11	C. 3p + 5d = 11
p = 3d + 5	p = 3d + 5
B. p+d=11	D. 3p + 5d = 11
d = 3p + 5	d = 3p + 5

Answers in random order:

A	3	\$0.15	Infinitely many	No solution
D	\$0.29	(4, 0)	(1, 3)	300