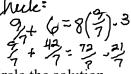
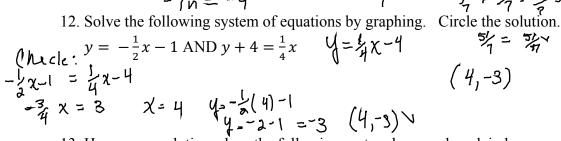
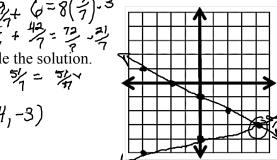
TERM 2 REVIEW for Final Name:	Period:
Show your work and work in pencil. DUE THE DAY OF TERM FINAL DEC 13	
THIS IS ALSO DEAD DAY FOR THE TERM. PLEASE TURN IN ALL HOME	
1. Write the following equation in slope-intercept form: $3y - (5x + 3) = 2y - $	- x.
34-57-3=24-2	
+ -24+5x+3 = -24+5x+3	
$\frac{14 - 4\chi + 3}{2}$	<u> </u>
2. Write the equation of the line given the following points: $(6, 5)$ and $(5, 1)$ $M = \frac{1}{4}/1$ $1 = \frac{1}{5} + \frac{1}{5}$ $\sqrt{1 - \frac{1}{4}} \times - \frac{1}{9}$	1/4/2/7
1 = 30 +12	, 1,
3. Write the equation of the line from the following table.	2
$M = \frac{8}{4} = \frac{9}{1}$ $y = 2x + 1$	3 > 7
Chick: Using (1,3) $3 \approx 2(1) + 6$	$\frac{11}{-1}$
3 = 2(1) + 6 3 = 2 + 6 6 = 1 $4 = 2x + 1$	y .
4. Using the graph of the line to the right:	
a. Write the equation and graph the line parallel to the given line and goes through the point (-2, -3)	M: 1
2 - Ile School	Q Q
$-3 = 1 + 6$ $6 = -4$ $y = -\frac{1}{2}x - 4$	×
b. Write the equation and graph the line perpendicular to the	
given line and goes through the point $(-2, -3)$. Purposed residues	
	ivel peciprocals.
13 = 14 + 11 P 	(4) 2000
5. Solve for k in the following equation. $5k + 3(k - 1) = 10(k + 2) - 3$ Thick: $5k + 3k - 3 = 10k + 20 - 3$ 5(-11) + 3(-10 - 1) = 10(-10 + 2) - 3 5k + 3k - 3 = 10k + 17	
5(-11)+3(-11)=10(-10+2)-3 $-50+3(-11)=10(-8)-3$ $-21-20$	
$-50 +3(-11) = 10(-8) -3$ $-50 + 33 = -80 \cdot 3 - 83 = -83$ $(K = -10)$	
6. Brad wants to get in shape. He starts by running 5 miles a week. He then add	
\mathcal{H}_{u} additional week he runs. Write an equation to determine how far Brad will runger \mathcal{H}_{u}	in on any given week.
a. How far will Brad run on week 16?	
additional week ne runs. Write an equation to determine now far Brad will run on week 16? $ \begin{array}{cccccccccccccccccccccccccccccccccc$	216 Find
This has the slope? $M = -4/1$ = $5 + 32 = 27 miles on Week on Week on the following equation state the following: 14 = 2y + 8x.$	8x = 24 9x = 4 9x = 4 14 0
a. What is the slope? $H(-\frac{1}{2})$	4X = Y = Y = Y
b. What is the y-intercept? $(0,7)$ What is the x-intercept? $(7/2)$	<u>4,0)</u>
8 Solve the following for x : $12 + 3x - 21y = -6x - 9$	X
$+ \frac{19 - 3x}{3x + 9} = \frac{-3x + 9}{3x + 9} - \frac{7}{2} + \frac{7}{2} = \frac{7}{2}$	X NIGHT
$\frac{1}{2} \frac{1}{2} \frac{1}{4} = \frac{-9}{2} \frac{3}{3} \frac{3}{3}$	on mailty
8. Solve the following for x: $12 + 3x - 21y = -6x - 9$. $\frac{+}{2} \frac{9 - 3x}{2 - 3x + 9} = -\frac{3x + 9}{3}$ (When you multiply or divide an inequality by a $1294 = -9x$ number, you MUST $-\frac{9}{3}$. Solve and graph the following inequality.	the sign) 120
7. Solve and graph the following medianty.	· Amorto
3-6(4x+6) > -105 3-3(4x+6) > -105 -24(4x+6) > -105	0 1 2 3 4 5 6
124× > -71	
124 × > 71 X < 3	

11. Translate the following: The sum of a number and six is the same as eight times the number, decreased by three. Write an equation and solve for the number.

$$-\frac{1}{10} + \frac{1}{10} = \frac{1}{10}$$





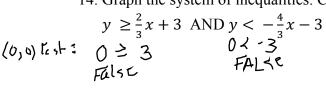


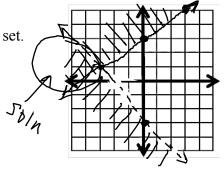
13. How many solutions does the following system have and explain how you know.

3. How many solutions does the following system have ar
$$\begin{cases}
-2x = 12 + 6y & -2x - 12 & -4x \\
4x + 12y + 24 = 0
\end{cases}$$

$$-\frac{4x}{12} + \frac{24}{-12} = -\frac{124}{-12} - \frac{124}{-12} - \frac{124}{-12} = \frac{4}{-12} + \frac{124}{-12} - \frac{124}{-12} = \frac{4}{-12} + \frac{124}{-12} - \frac{124}{-12} = \frac{4}{-12} + \frac{124}{-12} + \frac{124}{-12} + \frac{124}{-12} = \frac{4}{-12} + \frac{124}{-12} + \frac{124$$

14. Graph the system of inequalities. Circle or highlight the solution set.





15. Solve the following system of equations using any method (substitution or elimination).

$$\begin{cases} x = 1 - 3y \\ x = -y + 5 \end{cases} = \begin{cases} 1 - 3y = -y + 5 \\ x = -y + 5 \end{cases}$$

$$\begin{cases} x = 1 - 3y \\ x = -y + 5 \end{cases} = \begin{cases} 1 - 3y = -y + 5 \\ -1 + y = +y - 1 \end{cases}$$

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$$\begin{cases} x = 1 - 3y \\ x$$

Siffing Equal works good be cally but he gas are set
$$(x-y)=11$$

16. Solve the following system using any method. $\begin{cases} x - y = 11 \\ 2x + y = 19 \end{cases}$ $\frac{3}{3} \times \frac{3}{3} \times \frac{1}{3} \times \frac{1}$ [hech: 10-(1)=11

$$\begin{array}{r}
 3x = 30 \\
 x = 10
 \end{array}
 \quad (10,-1)$$

$$\begin{array}{r}
 0 = 11 \\
 -y = 1 \\
 -y = 1
 \end{array}$$

