

DUE MONDAY 12/1! Will be checked.

Name: \_\_\_\_\_

Geometry Thanksgiving

## Who is *not* hungry at Thanksgiving?

- 1) Slope of a line through (3, 4) and (2, -1) .
- 2) Midpoint of a segment with endpoints (6, 6) and (-2, -4).
- 3) A triangle with all different side lengths.
- 4) The measure of an exterior angle of a triangle is equal to the sum of the linear pair and \_\_\_\_\_.
- 5) The range for an obtuse angle, x.
- 6) Two lines are parallel if the consecutive interior angles are...?
- 7) The complement of  $35^\circ$  is...?
- 8) Two adjacent angles that are supplementary.
- 9) Translations, reflections, and \_\_\_\_\_ are called isometric transformations.
- 10) Corresponding angles are \_\_\_\_\_ if two parallel lines are cut by a transversal.
- 11) Slope of a line perpendicular to the line  $y = \frac{2}{3}x - 4$ .
- 12) The most basic building block of Geometry.
- 13) Two triangles are congruent if their \_\_\_\_\_ sides and angles are congruent.
- 14) The line of reflection is the \_\_\_\_\_ of the line segment with endpoints P and P'.

A	Point	N	1/5
B	$55^\circ$	O	(4, 5)
C	5	P	Isosceles
D	$90 < x < 180$	Q	Vertical Angles
E	Perpendicular Bisector	R	(2, 1)
F	Rotations	S	Remote Interior Angle
G	$x > 90$	T	-3/2
H	Scalene	U	Corresponding
I	Adjacent	V	18
J	$145^\circ$	W	Deductive
K	Congruent	X	Angle Bisector
L	Linear Pair	Y	Supplementary
M	3/2	Z	Line

\_\_\_\_\_  
11    3    14                    11    13    2    10    14    6

\_\_\_\_\_  
7    14    1    12    13    4    14

\_\_\_\_\_  
3    14    4

\_\_\_\_\_  
12    8    2    14    12    5    6

\_\_\_\_\_  
4    11    13    9    9    14    5

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# Why didn't the skeleton turkey cross the road?

Directions: Solve each system of equations by using the elimination method. If you do not know what that is, youtube search "scevola systems of equations" and skip to minute 5:50.

1)  $y = 3x$   
 $5x + y = 24$

7)  $8x + 3y = 26$   
 $2x = y - 4$

2)  $y = 2x + 5$   
 $3x - y = 4$

8)  $x - 7y = 13$   
 $3x - 5y = 23$

3)  $x = 8 + 3y$   
 $2x - 5y = 8$

9)  $3x + y = 19$   
 $2x - 5y = -10$

4)  $3x + 2y = 71$   
 $y = 4 + 2x$

10)  $5x - y = 20$   
 $3x + y = 12$

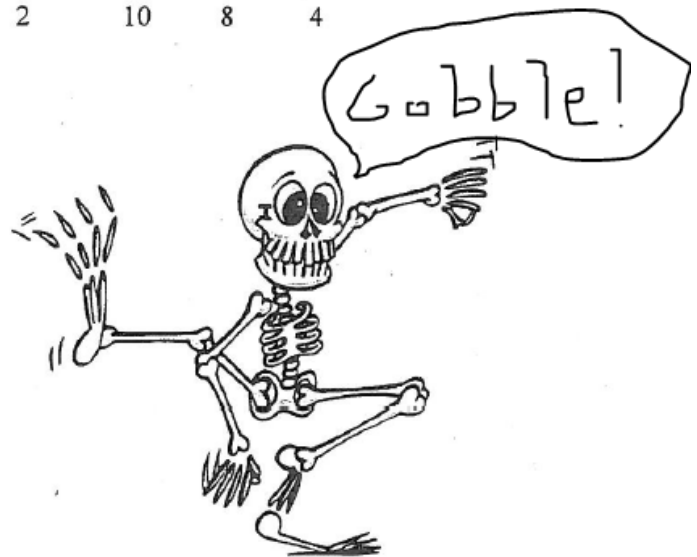
5)  $4x - 5y = 92$   
 $x = 7y$

11)  $3x - 2y = 11$   
 $3x - y = 7$

6)  $y = 3x + 8$   
 $x = y$

$x = 3, y = 9$	S
$x = 12, y = -10$	R
$x = -4, y = -4$	G
$x = 2, y = -6$	B
$x = 28, y = 4$	U
$x = 4, y = 0$	A
$x = 6, y = -1$	V
$x = 5, y = 4$	I
$x = 5, y = 9$	U
$x = 1, y = -4$	N
$x = 1, y = 6$	D
$x = -10, y = -8$	C
$x = 3, y = 6$	O
$x = 9, y = 22$	E
$x = -16, y = -8$	T
$x = 15, y = -13$	L
$x = 9, y = 23$	H

2	4	7	9	7	11	3
_____!!!						
3	2	4	6	5	3	1



Reminder: Get this done by Monday 12/1. Have a nice Thanksgiving!