

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

### Halloween Systems of Equations

Solve each system of equations. Match your answer up with the corresponding letter and fill the letter in the blank to answer the riddle.

**Why didn't the skeleton cross the road?**

$$1) \begin{aligned} y &= 3x \\ 5x + y &= 24 \end{aligned}$$

$$7) \begin{aligned} 8x + 3y &= 26 \\ 2x &= y - 4 \end{aligned}$$

$$2) \begin{aligned} y &= 2x + 5 \\ 3x - y &= 4 \end{aligned}$$

$$8) \begin{aligned} x - 7y &= 13 \\ 3x - 5y &= 23 \end{aligned}$$

$$3) \begin{aligned} x &= 8 + 3y \\ 2x - 5y &= 8 \end{aligned}$$

$$9) \begin{aligned} 3x + y &= 19 \\ 2x - 5y &= -10 \end{aligned}$$

$$4) \begin{aligned} 3x + 2y &= 71 \\ y &= 4 + 2x \end{aligned}$$

$$10) \begin{aligned} 5x - y &= 20 \\ 3x + y &= 12 \end{aligned}$$

$$5) \begin{aligned} 4x - 5y &= 92 \\ x &= 7y \end{aligned}$$

$$11) \begin{aligned} 3x - 2y &= 11 \\ 3x - y &= 7 \end{aligned}$$

$$6) \begin{aligned} y &= 3x + 8 \\ x &= y \end{aligned}$$

$x = 3, y = 9$	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

2

10

8

4

\_\_\_\_\_

3      2      4      6      5      3      1

