"Who wrote the book 'Grocery Packing at the Supermarket'?"

Solve for x. The answer to each problem will match a letter that will allow you to figure out the joke.

1. $3(x + 2) = 21$

2. $5(2x - 1) = -25$

3. $-4(3x - 5) = -16$

4. $-2(4 - x) - 5 = 11$

5. $3(-6x + 7) + 4x = -7$

6. $2(3x - 4) + 5(2x + 3) = -9$

7. $-8(2 - x) - 4(x - 2) = 8$

8. $7(-x - 2) - (x - 5) = 31$

9. $5x - 2(6 - x) + 7 = 2$

10. $9(x + 3) - 5x - 3(5 + 3x) = 52$

M. 7

R. 1

S. 3

Z. 9

E. –5

A. –2

U. 4

W. –11

C. –18

B. –1

T. No Solution

D. –8

F. 25

G. 12

L. 5

O. 6

S. 2

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 9   7   5   3   8   1   10   6   2   4

CSI MURDER CASE

Late Saturday night after Britney Spears finished her concert, she was found murdered in her dressing room! Use the following clues to find out who did it, what weapon, where, and why.

CLUE 1: The police have come to you (a famous mathematician) to help them crack this case. After you found numerous clues on the body, you were able to determine **where** the crime was committed.

$$-5(2x - 7) - x = 2(x + 2) - 8$$

a)	x = 1 (bathroom)	c)	x = 5 (dressing room)
b)	x = 3 (backstage)	d)	x = 7 (maintenance room)

CLUE 2: The following items were found at the crime scene with blood spatter. You need to determine **what** weapon was used to commit this murder.

$$2w - (5w - 4) = 4(-w + 1)$$

a)	w = −4 (microphone)	c)	w = 0 (speaker)
b)	w = −3 (camera)	d)	w = 9 (guitar)

CLUE 3: During the concert the fire alarm was pulled at the BOk Center, local business surveillance cameras caught many people running out of the stadium. They believe the killer may have fled to a nearby restaurant. Help the police figure out <u>who</u> did it.

$$4(-3m - 2) = 8 + 4(m + 4)$$

a)	m = −2 (Christina Aguilera)	c)	m = 4 (Justin Timberlake)
b)	m = −1 (Lindsay Lohan)	d)	m = 8 (Kevin Federline)

CLUE 4: Due to the forensic evidence you collected connecting the murderer to this crime, the police are hopeful they can obtain a written confession and learn **why** this murder took place.

$$-3y - 8(-4y - 9) - 1,784 = -536 - (-5y)$$

a)	y = −46 (the murderer was tired of being upstaged by Britney)
b)	y = −34 (the murder was upset because of who Britney married)
c)	y = 27 (the murderer was upset because Britney was a bigger star)
d)	y = 49 (the murderer was jealous because they weren't as beautiful as Britney)