

What is the value of k in the equation $k + 35 = 60$?

- a. 20
- b. 26
- c. 25
- d. 28

How many solutions can be found in the equation $34 + 13n = 39 + 13n$?

- a. Two
- b. Infinitely many
- c. Zero
- d. One

What is the value of t in the equation $-3t + 38 = -64$?

- a. 34
- b. 33
- c. 37
- d. 40

What is the value of t in the equation $2(3t + 6) = 5t + 46$?

- a. 33
- b. 40
- c. 30
- d. 34

The steps below show the incomplete solution to find the value of x in the equation.

$$6x - 2x - 5 = 6 + 7$$

Step 1: $6x - 2x - 5 = 6 + 7$

Step 2: $6x - 2x - 5 = 13$

Step 3: $4x - 5 = 13$

Which of these is **most** likely the next step?

- a. $4x = 18$
- b. $4x = 8$
- c. $4x = 13$
- d. $4x = 5$

Cheyenne solved the equation below.

$$6t = 30$$

$$6t - 6 = 30 - 6$$

$$t = 24$$

Is Cheyenne's solution correct? If the solution is incorrect, explain why it is incorrect and show the correct steps to solve the equation.

An equation is shown below:

$$9(4r - 4) + 8 = 224$$

Write the steps you will use to solve the equation and explain each step.