



Find the value of x.

1)  $2 + 3x = 11 + 0x$

2)  $2x + 3 = -1x + 30$

3)  $1x + 21 = 81 - 9x$

4)  $-3x + 100 = 135 + -8x$

5)  $54 + 1x = -8x + 81$

6)  $60 + 3x = 85 - 2x$

7)  $-3x + 66 = -13x + 136$

8)  $5x + 40 = -4x + 67$

9)  $105 - 5x = -7x + 117$

10)  $63 + 1x = 135 - 7x$

11)  $2x + 18 = -2x + 30$

12)  $5x + 24 = 64 - 5x$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_



**Find the value of x.**

$$\begin{aligned} 1) \quad 2 + 3x &= 11 + 0x \\ &\quad 3x = 9 \\ &\quad x = 3 \end{aligned}$$

$$2) \quad 2x + 3 = -1x + 30$$

$$3x = 27$$

$$x = 9$$

$$3) \quad 1x + 21 = 81 - 9x$$
$$10x = 60$$
$$x = 6$$

$$4) \quad -3x + 100 = 135 + -8x$$
$$\textcolor{red}{5x = 35}$$
$$\textcolor{red}{x \equiv 7}$$

$$5) \quad 54 + 1x = -8x + 81$$
$$\textcolor{red}{9x = 27}$$
$$\textcolor{red}{x = 3}$$

$$6) \quad 60 + 3x = 85 - 2x$$
$$5x = 25$$
$$x = 5$$

$$7) \quad -3x + 66 = -13x + 136$$

$$\textcolor{red}{10x = 70}$$

$$\textcolor{red}{x = 7}$$

$$\begin{aligned} 8) \quad & 5x + 40 = -4x + 67 \\ & 9x = 27 \\ & x = 3 \end{aligned}$$

$$9) \quad 105 - 5x = -7x + 117$$
$$2x = 12$$
$$x \equiv 6$$

$$10) \quad 63 + 1x = 135 - 7x$$
$$8x = 72$$
$$x = 9$$

$$11) \quad 2x + 18 = -2x + 30$$
$$4x = 12$$
$$x = 3$$

$$12) \quad 5x + 24 = 64 - 5x$$
$$10x = 40$$
$$x = 4$$

## Answers

3

2. 9

3.        **6**

4. 7

5.    3

6.       **5**

$$7. \underline{\hspace{2cm}} 7$$

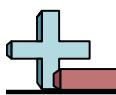
8. 3

9. \_\_\_\_\_ 6

10. 9

11. 3

12.         **4**



Find the value of x.

6  
69  
33  
75  
97  
3**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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