



Find the value of x.

1) $-3x + 81 = -8x + 101$

2) $59 - 4x = -12x + 75$

3) $52 - 2x = 108 - 10x$

4) $66 - 1x = 78 - 3x$

5) $39 + 3x = 59 - 1x$

6) $2x + 42 = 0x + 48$

7) $4x + 19 = 75 - 3x$

8) $1x + 81 = 126 - 4x$

9) $91 + -5x = 121 + -8x$

10) $1x + 49 = -3x + 85$

11) $-3x + 82 = -10x + 110$

12) $94 + -3x = -12x + 121$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

$$\begin{aligned} 1) \quad -3x + 81 &= -8x + 101 \\ 5x &= 20 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 2) \quad 59 - 4x &= -12x + 75 \\ 8x &= 16 \\ x &= 2 \end{aligned}$$

$$\begin{aligned} 3) \quad 52 - 2x &= 108 - 10x \\ 8x &= 56 \\ x &= 7 \end{aligned}$$

$$\begin{aligned} 4) \quad 66 - 1x &= 78 - 3x \\ 2x &= 12 \\ x &= 6 \end{aligned}$$

$$\begin{aligned} 5) \quad 39 + 3x &= 59 - 1x \\ 4x &= 20 \\ x &= 5 \end{aligned}$$

$$\begin{aligned} 6) \quad 2x + 42 &= 0x + 48 \\ 2x &= 6 \\ x &= 3 \end{aligned}$$

$$\begin{aligned} 7) \quad 4x + 19 &= 75 - 3x \\ 7x &= 56 \\ x &= 8 \end{aligned}$$

$$\begin{aligned} 8) \quad 1x + 81 &= 126 - 4x \\ 5x &= 45 \\ x &= 9 \end{aligned}$$

$$\begin{aligned} 9) \quad 91 + -5x &= 121 + -8x \\ 3x &= 30 \\ x &= 10 \end{aligned}$$

$$\begin{aligned} 10) \quad 1x + 49 &= -3x + 85 \\ 4x &= 36 \\ x &= 9 \end{aligned}$$

$$\begin{aligned} 11) \quad -3x + 82 &= -10x + 110 \\ 7x &= 28 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 12) \quad 94 + -3x &= -12x + 121 \\ 9x &= 27 \\ x &= 3 \end{aligned}$$

Answers1. 42. 23. 74. 65. 56. 37. 88. 99. 1010. 911. 412. 3



Find the value of x.

2

4

5

6

9

9

7

10

8

3

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Answers

1. _____

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