

**Halla el valor de x.**

1) $12 + 1x = -8x + 102$

2) $1 + 1x = -8x + 82$

3) $3 + 4x = -6x + 23$

4) $-2 + 4x = 1x + 22$

5) $69 - 2x = 133 - 10x$

6) $-14 + 4x = 28 + -3x$

7) $52 + -1x = 82 + -6x$

8) $51 + 1x = -4x + 61$

9) $-5x + 50 = 130 - 15x$

10) $19 + 2x = 34 - 3x$

11) $63 - 5x = -11x + 105$

12) $63 + 2x = 83 + -3x$

Respuestas

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

**Halla el valor de x.**

$$\begin{aligned} 1) \quad & 12 + 1x = -8x + 102 \\ & 9x = 90 \\ & x = 10 \end{aligned}$$

$$\begin{aligned} 2) \quad & 1 + 1x = -8x + 82 \\ & 9x = 81 \\ & x = 9 \end{aligned}$$

$$\begin{aligned} 3) \quad & 3 + 4x = -6x + 23 \\ & 10x = 20 \\ & x = 2 \end{aligned}$$

$$\begin{aligned} 4) \quad & -2 + 4x = 1x + 22 \\ & 3x = 24 \\ & x = 8 \end{aligned}$$

$$\begin{aligned} 5) \quad & 69 - 2x = 133 - 10x \\ & 8x = 64 \\ & x = 8 \end{aligned}$$

$$\begin{aligned} 6) \quad & -14 + 4x = 28 + -3x \\ & 7x = 42 \\ & x = 6 \end{aligned}$$

$$\begin{aligned} 7) \quad & 52 + -1x = 82 + -6x \\ & 5x = 30 \\ & x = 6 \end{aligned}$$

$$\begin{aligned} 8) \quad & 51 + 1x = -4x + 61 \\ & 5x = 10 \\ & x = 2 \end{aligned}$$

$$\begin{aligned} 9) \quad & -5x + 50 = 130 - 15x \\ & 10x = 80 \\ & x = 8 \end{aligned}$$

$$\begin{aligned} 10) \quad & 19 + 2x = 34 - 3x \\ & 5x = 15 \\ & x = 3 \end{aligned}$$

$$\begin{aligned} 11) \quad & 63 - 5x = -11x + 105 \\ & 6x = 42 \\ & x = 7 \end{aligned}$$

$$\begin{aligned} 12) \quad & 63 + 2x = 83 + -3x \\ & 5x = 20 \\ & x = 4 \end{aligned}$$

Respuestas

1. **10**
2. **9**
3. **2**
4. **8**
5. **8**
6. **6**
7. **6**
8. **2**
9. **8**
10. **3**
11. **7**
12. **4**

**Halla el valor de x.**8
69
26
28
38
10**Respuestas**

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

1) $12 + 1x = -8x + 102$

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