



Find the value of x.

1)  $47 + -2x = -8x + 89$

2)  $35 + 5x = 83 + -3x$

3)  $2x + 44 = -5x + 86$

4)  $-3 + 3x = 37 - 1x$

5)  $5x + 44 = 62 + 2x$

6)  $-3x + 95 = -13x + 175$

7)  $20 + 1x = -8x + 56$

8)  $2x + 59 = -1x + 77$

9)  $56 - 4x = 110 - 10x$

10)  $3x - 7 = -6x + 47$

11)  $28 + 1x = -4x + 43$

12)  $78 + 3x = 90 + -1x$

**Answers**

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

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

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

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

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

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

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

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

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

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

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

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



Find the value of x.

1)  $47 + -2x = -8x + 89$

$6x = 42$

$x = 7$

2)  $35 + 5x = 83 + -3x$

$8x = 48$

$x = 6$

3)  $2x + 44 = -5x + 86$

$7x = 42$

$x = 6$

4)  $-3 + 3x = 37 - 1x$

$4x = 40$

$x = 10$

5)  $5x + 44 = 62 + 2x$

$3x = 18$

$x = 6$

6)  $-3x + 95 = -13x + 175$

$10x = 80$

$x = 8$

7)  $20 + 1x = -8x + 56$

$9x = 36$

$x = 4$

8)  $2x + 59 = -1x + 77$

$3x = 18$

$x = 6$

9)  $56 - 4x = 110 - 10x$

$6x = 54$

$x = 9$

10)  $3x - 7 = -6x + 47$

$9x = 54$

$x = 6$

11)  $28 + 1x = -4x + 43$

$5x = 15$

$x = 3$

12)  $78 + 3x = 90 + -1x$

$4x = 12$

$x = 3$

**Answers**1. 72. 63. 64. 105. 66. 87. 48. 69. 910. 611. 312. 3



Find the value of x.

10

6

6

4

6

6

9

8

7

6

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9)  $56 - 4x = 110 - 10x$

10)  $3x - 7 = -6x + 47$

**Answers**

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

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

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

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

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

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

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

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

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

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