



Determining Variable Value to Balance Equations Name:

Find the value of x.

1) $-1x + 43 = -10x + 106$

2) $5x + 24 = 64 + 1x$

3) $48 - 4x = -12x + 112$

4) $-4x + 44 = 62 - 7x$

5) $37 + -5x = -14x + 73$

6) $28 - 4x = -9x + 38$

7) $3x + 77 = 107 - 7x$

8) $54 + 3x = 1x + 58$

9) $33 + -2x = 75 + -8x$

10) $-4x + 47 = 71 + -10x$

11) $-1x + 28 = -7x + 76$

12) $96 - 1x = 128 - 5x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

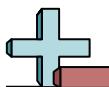
9. _____

10. _____

11. _____

12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

**Find the value of x.**

1) $-1x + 43 = -10x + 106$

$9x = 63$

$x = 7$

2) $5x + 24 = 64 + 1x$

$4x = 40$

$x = 10$

3) $48 - 4x = -12x + 112$

$8x = 64$

$x = 8$

4) $-4x + 44 = 62 - 7x$

$3x = 18$

$x = 6$

5) $37 + -5x = -14x + 73$

$9x = 36$

$x = 4$

6) $28 - 4x = -9x + 38$

$5x = 10$

$x = 2$

7) $3x + 77 = 107 - 7x$

$10x = 30$

$x = 3$

8) $54 + 3x = 1x + 58$

$2x = 4$

$x = 2$

9) $33 + -2x = 75 + -8x$

$6x = 42$

$x = 7$

10) $-4x + 47 = 71 + -10x$

$6x = 24$

$x = 4$

11) $-1x + 28 = -7x + 76$

$6x = 48$

$x = 8$

12) $96 - 1x = 128 - 5x$

$4x = 32$

$x = 8$

Answers1. **7****10****8****6****4****2****3****2****7****4****8****8**



Determining Variable Value to Balance Equations

Name: _____

Find the value of x.

6

3

4

10

7

8

2

2

4

7

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

1) $-1x + 43 = -10x + 106$

2) $5x + 24 = 64 + 1x$

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9) $33 + -2x = 75 + -8x$

10) $-4x + 47 = 71 + -10x$