



Find the value of x.

1) $5x + 58 = 2x + 70$

2) $-1x + 55 = 145 - 10x$

3) $46 + 1x = -7x + 126$

4) $-2x + 55 = 100 - 11x$

5) $4 + 2x = -2x + 44$

6) $114 + -3x = 194 + -11x$

7) $4x - 12 = -2x + 36$

8) $-3x + 90 = 117 - 12x$

9) $-2x + 90 = 125 + -7x$

10) $101 + -3x = -10x + 129$

11) $-1x + 46 = 116 - 11x$

12) $3x + 22 = 92 - 7x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

$$1) \quad 5x + 58 = 2x + 70$$

$$3x = 12$$

$$x = 4$$

$$2) \quad -1x + 55 = 145 - 10x$$

$$9x = 90$$

$$x = 10$$

$$3) \quad 46 + 1x = -7x + 126$$

$$8x = 80$$

$$x = 10$$

$$4) \quad -2x + 55 = 100 - 11x$$

$$9x = 45$$

$$x = 5$$

$$5) \quad 4 + 2x = -2x + 44$$

$$4x = 40$$

$$x = 10$$

$$6) \quad 114 + -3x = 194 + -11x$$

$$8x = 80$$

$$x = 10$$

$$7) \quad 4x - 12 = -2x + 36$$

$$6x = 48$$

$$x = 8$$

$$8) \quad -3x + 90 = 117 - 12x$$

$$9x = 27$$

$$x = 3$$

$$9) \quad -2x + 90 = 125 + -7x$$

$$5x = 35$$

$$x = 7$$

$$10) \quad 101 + -3x = -10x + 129$$

$$7x = 28$$

$$x = 4$$

$$11) \quad -1x + 46 = 116 - 11x$$

$$10x = 70$$

$$x = 7$$

$$12) \quad 3x + 22 = 92 - 7x$$

$$10x = 70$$

$$x = 7$$

Answers

1. 4

2. 10

3. 10

4. 5

5. 10

6. 10

7. 8

8. 3

9. 7

10. 4

11. 7

12. 7



Find the value of x.

1) $3x + -1 = 0x + 14$

2) $-22 + 5x = 23 + 0x$

3) $-1x + 60 = 80 + -5x$

4) $2x + -4 = 26 + -1x$

5) $-5x + 91 = -11x + 103$

6) $26 + 2x = 61 - 3x$

7) $-1x + 97 = 111 - 3x$

8) $100 + -4x = -10x + 118$

9) $5x + -24 = 46 + -2x$

10) $79 + 1x = -7x + 119$

11) $12 + 1x = -6x + 75$

12) $50 - 1x = 90 - 9x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $3x + -1 = 0x + 14$

$3x = 15$

$x = 5$

2) $-22 + 5x = 23 + 0x$

$5x = 45$

$x = 9$

3) $-1x + 60 = 80 + -5x$

$4x = 20$

$x = 5$

4) $2x + -4 = 26 + -1x$

$3x = 30$

$x = 10$

5) $-5x + 91 = -11x + 103$

$6x = 12$

$x = 2$

6) $26 + 2x = 61 - 3x$

$5x = 35$

$x = 7$

7) $-1x + 97 = 111 - 3x$

$2x = 14$

$x = 7$

8) $100 + -4x = -10x + 118$

$6x = 18$

$x = 3$

9) $5x + -24 = 46 + -2x$

$7x = 70$

$x = 10$

10) $79 + 1x = -7x + 119$

$8x = 40$

$x = 5$

11) $12 + 1x = -6x + 75$

$7x = 63$

$x = 9$

12) $50 - 1x = 90 - 9x$

$8x = 40$

$x = 5$

Answers1. 52. 93. 54. 105. 26. 77. 78. 39. 1010. 511. 912. 5



Find the value of x.

1) $-1x + 41 = -8x + 62$

2) $92 - 5x = -9x + 100$

3) $-5x + 116 = -7x + 132$

4) $90 + -3x = 120 + -6x$

5) $81 + 1x = -1x + 95$

6) $-3x + 92 = 110 - 12x$

7) $104 + -2x = -5x + 125$

8) $-21 + 4x = 59 + -4x$

9) $74 + -3x = 80 + -5x$

10) $-2x + 33 = 43 + -4x$

11) $74 + -2x = 106 + -6x$

12) $-5x + 53 = 83 + -10x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $-1x + 41 = -8x + 62$

$7x = 21$

$x = 3$

2) $92 - 5x = -9x + 100$

$4x = 8$

$x = 2$

3) $-5x + 116 = -7x + 132$

$2x = 16$

$x = 8$

4) $90 + -3x = 120 + -6x$

$3x = 30$

$x = 10$

5) $81 + 1x = -1x + 95$

$2x = 14$

$x = 7$

6) $-3x + 92 = 110 - 12x$

$9x = 18$

$x = 2$

7) $104 + -2x = -5x + 125$

$3x = 21$

$x = 7$

8) $-21 + 4x = 59 + -4x$

$8x = 80$

$x = 10$

9) $74 + -3x = 80 + -5x$

$2x = 6$

$x = 3$

10) $-2x + 33 = 43 + -4x$

$2x = 10$

$x = 5$

11) $74 + -2x = 106 + -6x$

$4x = 32$

$x = 8$

12) $-5x + 53 = 83 + -10x$

$5x = 30$

$x = 6$

Answers

1. 3

2. 2

3. 8

4. 10

5. 7

6. 2

7. 7

8. 10

9. 3

10. 5

11. 8

12. 6



Find the value of x.

1) $62 + 2x = 134 - 7x$

2) $37 + -2x = 41 + -4x$

3) $46 - 1x = 61 - 6x$

4) $72 + 3x = 112 + -7x$

5) $1x + 67 = -1x + 85$

6) $-3x + 78 = -13x + 168$

7) $43 + 3x = 88 + -6x$

8) $76 - 1x = 94 - 10x$

9) $1x + 2 = -5x + 56$

10) $-5x + 26 = -14x + 53$

11) $-1x + 22 = -11x + 52$

12) $-2x + 91 = 103 + -6x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

$$1) \quad 62 + 2x = 134 - 7x$$

$$9x = 72$$

$$x = 8$$

$$2) \quad 37 + -2x = 41 + -4x$$

$$2x = 4$$

$$x = 2$$

$$3) \quad 46 - 1x = 61 - 6x$$

$$5x = 15$$

$$x = 3$$

$$4) \quad 72 + 3x = 112 + -7x$$

$$10x = 40$$

$$x = 4$$

$$5) \quad 1x + 67 = -1x + 85$$

$$2x = 18$$

$$x = 9$$

$$6) \quad -3x + 78 = -13x + 168$$

$$10x = 90$$

$$x = 9$$

$$7) \quad 43 + 3x = 88 + -6x$$

$$9x = 45$$

$$x = 5$$

$$8) \quad 76 - 1x = 94 - 10x$$

$$9x = 18$$

$$x = 2$$

$$9) \quad 1x + 2 = -5x + 56$$

$$6x = 54$$

$$x = 9$$

$$10) \quad -5x + 26 = -14x + 53$$

$$9x = 27$$

$$x = 3$$

$$11) \quad -1x + 22 = -11x + 52$$

$$10x = 30$$

$$x = 3$$

$$12) \quad -2x + 91 = 103 + -6x$$

$$4x = 12$$

$$x = 3$$

Answers

1. 8

2. 2

3. 3

4. 4

5. 9

6. 9

7. 5

8. 2

9. 9

10. 3

11. 3

12. 3



Find the value of x.

1) $2x + 67 = -8x + 87$

2) $54 + 4x = 117 - 3x$

3) $-31 + 5x = 0x + 14$

4) $33 + -1x = -10x + 69$

5) $-28 + 5x = 0x + 12$

6) $-5x + 113 = -13x + 153$

7) $-4x + 55 = 83 - 8x$

8) $55 - 1x = -11x + 155$

9) $77 - 2x = 109 - 6x$

10) $56 + -2x = 88 + -10x$

11) $52 + -1x = 88 + -7x$

12) $-3x + 23 = -7x + 35$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

$$1) \quad 2x + 67 = -8x + 87$$

$$10x = 20$$

$$x = 2$$

$$2) \quad 54 + 4x = 117 - 3x$$

$$7x = 63$$

$$x = 9$$

$$3) \quad -31 + 5x = 0x + 14$$

$$5x = 45$$

$$x = 9$$

$$4) \quad 33 + -1x = -10x + 69$$

$$9x = 36$$

$$x = 4$$

$$5) \quad -28 + 5x = 0x + 12$$

$$5x = 40$$

$$x = 8$$

$$6) \quad -5x + 113 = -13x + 153$$

$$8x = 40$$

$$x = 5$$

$$7) \quad -4x + 55 = 83 - 8x$$

$$4x = 28$$

$$x = 7$$

$$8) \quad 55 - 1x = -11x + 155$$

$$10x = 100$$

$$x = 10$$

$$9) \quad 77 - 2x = 109 - 6x$$

$$4x = 32$$

$$x = 8$$

$$10) \quad 56 + -2x = 88 + -10x$$

$$8x = 32$$

$$x = 4$$

$$11) \quad 52 + -1x = 88 + -7x$$

$$6x = 36$$

$$x = 6$$

$$12) \quad -3x + 23 = -7x + 35$$

$$4x = 12$$

$$x = 3$$

Answers

1. 2

2. 9

3. 9

4. 4

5. 8

6. 5

7. 7

8. 10

9. 8

10. 4

11. 6

12. 3



Find the value of x.

1) $2x + 15 = 0x + 33$

2) $-5x + 100 = -11x + 112$

3) $-1x + 95 = 130 - 6x$

4) $-5x + 75 = -9x + 103$

5) $3x + 8 = -4x + 64$

6) $1x + 17 = 52 + -6x$

7) $19 + 2x = 34 - 3x$

8) $22 + 5x = -5x + 122$

9) $-1x + 84 = 174 - 10x$

10) $3x + 26 = 38 + 1x$

11) $72 + -4x = 108 + -13x$

12) $25 + -2x = 40 + -7x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $2x + 15 = 0x + 33$

$2x = 18$

$x = 9$

2) $-5x + 100 = -11x + 112$

$6x = 12$

$x = 2$

3) $-1x + 95 = 130 - 6x$

$5x = 35$

$x = 7$

4) $-5x + 75 = -9x + 103$

$4x = 28$

$x = 7$

5) $3x + 8 = -4x + 64$

$7x = 56$

$x = 8$

6) $1x + 17 = 52 + -6x$

$7x = 35$

$x = 5$

7) $19 + 2x = 34 - 3x$

$5x = 15$

$x = 3$

8) $22 + 5x = -5x + 122$

$10x = 100$

$x = 10$

9) $-1x + 84 = 174 - 10x$

$9x = 90$

$x = 10$

10) $3x + 26 = 38 + 1x$

$2x = 12$

$x = 6$

11) $72 + -4x = 108 + -13x$

$9x = 36$

$x = 4$

12) $25 + -2x = 40 + -7x$

$5x = 15$

$x = 3$

Answers

1. 9

2. 2

3. 7

4. 7

5. 8

6. 5

7. 3

8. 10

9. 10

10. 6

11. 4

12. 3



Find the value of x.

1) $56 - 1x = -11x + 106$

2) $59 + -3x = 77 + -5x$

3) $1x + 39 = 64 - 4x$

4) $-5x + 45 = 65 - 15x$

5) $13 + 3x = -4x + 62$

6) $-19 + 4x = 13 + 0x$

7) $55 + 3x = -1x + 79$

8) $-3x + 39 = -9x + 51$

9) $66 + 2x = 120 - 7x$

10) $-2x + 42 = -10x + 90$

11) $4x + 32 = -4x + 48$

12) $-2x + 75 = 84 + -5x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

$$1) 56 - 1x = -11x + 106$$

$$10x = 50$$

$$x = 5$$

$$2) 59 + -3x = 77 + -5x$$

$$2x = 18$$

$$x = 9$$

$$3) 1x + 39 = 64 - 4x$$

$$5x = 25$$

$$x = 5$$

$$4) -5x + 45 = 65 - 15x$$

$$10x = 20$$

$$x = 2$$

$$5) 13 + 3x = -4x + 62$$

$$7x = 49$$

$$x = 7$$

$$6) -19 + 4x = 13 + 0x$$

$$4x = 32$$

$$x = 8$$

$$7) 55 + 3x = -1x + 79$$

$$4x = 24$$

$$x = 6$$

$$8) -3x + 39 = -9x + 51$$

$$6x = 12$$

$$x = 2$$

$$9) 66 + 2x = 120 - 7x$$

$$9x = 54$$

$$x = 6$$

$$10) -2x + 42 = -10x + 90$$

$$8x = 48$$

$$x = 6$$

$$11) 4x + 32 = -4x + 48$$

$$8x = 16$$

$$x = 2$$

$$12) -2x + 75 = 84 + -5x$$

$$3x = 9$$

$$x = 3$$

Answers

1. 5

2. 9

3. 5

4. 2

5. 7

6. 8

7. 6

8. 2

9. 6

10. 6

11. 2

12. 3



Find the value of x.

1) $-4x + 66 = -8x + 82$

2) $8 + 1x = 20 + -3x$

3) $4x + 9 = -1x + 24$

4) $9 + 2x = -6x + 25$

5) $61 - 1x = 76 - 4x$

6) $73 + -4x = 118 + -13x$

7) $18 + -1x = -5x + 46$

8) $-4x + 72 = -14x + 152$

9) $95 + -5x = 119 + -9x$

10) $-2x + 55 = 63 + -6x$

11) $55 + 1x = -8x + 109$

12) $4x + 23 = 41 + 1x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $-4x + 66 = -8x + 82$

$4x = 16$

$x = 4$

2) $8 + 1x = 20 + -3x$

$4x = 12$

$x = 3$

3) $4x + 9 = -1x + 24$

$5x = 15$

$x = 3$

4) $9 + 2x = -6x + 25$

$8x = 16$

$x = 2$

5) $61 - 1x = 76 - 4x$

$3x = 15$

$x = 5$

6) $73 + -4x = 118 + -13x$

$9x = 45$

$x = 5$

7) $18 + -1x = -5x + 46$

$4x = 28$

$x = 7$

8) $-4x + 72 = -14x + 152$

$10x = 80$

$x = 8$

9) $95 + -5x = 119 + -9x$

$4x = 24$

$x = 6$

10) $-2x + 55 = 63 + -6x$

$4x = 8$

$x = 2$

11) $55 + 1x = -8x + 109$

$9x = 54$

$x = 6$

12) $4x + 23 = 41 + 1x$

$3x = 18$

$x = 6$

Answers1. 42. 33. 34. 25. 56. 57. 78. 89. 610. 211. 612. 6



Find the value of x.

1) $62 - 1x = -11x + 122$

2) $40 - 1x = 110 - 8x$

3) $64 - 3x = 92 - 7x$

4) $-5x + 71 = -14x + 98$

5) $1x + 41 = 59 - 8x$

6) $-5x + 122 = -15x + 212$

7) $96 + -3x = -6x + 120$

8) $-5x + 113 = 153 + -9x$

9) $-1x + 91 = -7x + 127$

10) $65 + -5x = 83 + -14x$

11) $139 + -5x = 199 + -11x$

12) $-21 + 4x = 3 + 1x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

$$1) \quad 62 - 1x = -11x + 122$$

$$10x = 60$$

$$x = 6$$

$$2) \quad 40 - 1x = 110 - 8x$$

$$7x = 70$$

$$x = 10$$

$$3) \quad 64 - 3x = 92 - 7x$$

$$4x = 28$$

$$x = 7$$

$$4) \quad -5x + 71 = -14x + 98$$

$$9x = 27$$

$$x = 3$$

$$5) \quad 1x + 41 = 59 - 8x$$

$$9x = 18$$

$$x = 2$$

$$6) \quad -5x + 122 = -15x + 212$$

$$10x = 90$$

$$x = 9$$

$$7) \quad 96 + -3x = -6x + 120$$

$$3x = 24$$

$$x = 8$$

$$8) \quad -5x + 113 = 153 + -9x$$

$$4x = 40$$

$$x = 10$$

$$9) \quad -1x + 91 = -7x + 127$$

$$6x = 36$$

$$x = 6$$

$$10) \quad 65 + -5x = 83 + -14x$$

$$9x = 18$$

$$x = 2$$

$$11) \quad 139 + -5x = 199 + -11x$$

$$6x = 60$$

$$x = 10$$

$$12) \quad -21 + 4x = 3 + 1x$$

$$3x = 24$$

$$x = 8$$

Answers

1. 6

2. 10

3. 7

4. 3

5. 2

6. 9

7. 8

8. 10

9. 6

10. 2

11. 10

12. 8



Find the value of x.

1) $-19 + 4x = 21 + 0x$

2) $-4x + 107 = 155 + -10x$

3) $49 + 2x = -8x + 99$

4) $-4x + 88 = -7x + 112$

5) $-3x + 45 = -9x + 93$

6) $5x + 56 = -2x + 91$

7) $56 + 1x = -8x + 137$

8) $4x + 17 = 32 + 1x$

9) $-3x + 53 = -9x + 77$

10) $19 + -4x = 33 + -11x$

11) $-2x + 38 = -12x + 58$

12) $52 - 1x = 72 - 5x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $-19 + 4x = 21 + 0x$

$4x = 40$

$x = 10$

2) $-4x + 107 = 155 + -10x$

$6x = 48$

$x = 8$

3) $49 + 2x = -8x + 99$

$10x = 50$

$x = 5$

4) $-4x + 88 = -7x + 112$

$3x = 24$

$x = 8$

5) $-3x + 45 = -9x + 93$

$6x = 48$

$x = 8$

6) $5x + 56 = -2x + 91$

$7x = 35$

$x = 5$

7) $56 + 1x = -8x + 137$

$9x = 81$

$x = 9$

8) $4x + 17 = 32 + 1x$

$3x = 15$

$x = 5$

9) $-3x + 53 = -9x + 77$

$6x = 24$

$x = 4$

10) $19 + -4x = 33 + -11x$

$7x = 14$

$x = 2$

11) $-2x + 38 = -12x + 58$

$10x = 20$

$x = 2$

12) $52 - 1x = 72 - 5x$

$4x = 20$

$x = 5$

Answers1. 102. 83. 54. 85. 86. 57. 98. 59. 410. 211. 212. 5