



Find the value of 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) $63 + 2x = 83 + -3x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

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

$9x = 90$

$x = 10$

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

$9x = 81$

$x = 9$

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

$10x = 20$

$x = 2$

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

$3x = 24$

$x = 8$

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

$8x = 64$

$x = 8$

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

$7x = 42$

$x = 6$

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

$5x = 30$

$x = 6$

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

$5x = 10$

$x = 2$

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

$10x = 80$

$x = 8$

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

$5x = 15$

$x = 3$

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

$6x = 42$

$x = 7$

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

$5x = 20$

$x = 4$

Answers1. 102. 93. 24. 85. 86. 67. 68. 29. 810. 311. 712. 4



Find the value of x.

8

9

6

8

8

6

2

2

3

10

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the value of x.

1) $22 - 3x = -12x + 40$

2) $25 + 4x = -3x + 81$

3) $2x + 5 = 0x + 21$

4) $87 - 2x = 123 - 11x$

5) $12 + 1x = 48 + -5x$

6) $89 + -2x = 149 + -12x$

7) $70 - 3x = -13x + 130$

8) $2 + 1x = -5x + 62$

9) $-4x + 45 = -10x + 75$

10) $17 + 5x = 53 + -4x$

11) $32 + 1x = -4x + 57$

12) $81 - 3x = -12x + 162$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $22 - 3x = -12x + 40$

$9x = 18$

$x = 2$

2) $25 + 4x = -3x + 81$

$7x = 56$

$x = 8$

3) $2x + 5 = 0x + 21$

$2x = 16$

$x = 8$

4) $87 - 2x = 123 - 11x$

$9x = 36$

$x = 4$

5) $12 + 1x = 48 + -5x$

$6x = 36$

$x = 6$

6) $89 + -2x = 149 + -12x$

$10x = 60$

$x = 6$

7) $70 - 3x = -13x + 130$

$10x = 60$

$x = 6$

8) $2 + 1x = -5x + 62$

$6x = 60$

$x = 10$

9) $-4x + 45 = -10x + 75$

$6x = 30$

$x = 5$

10) $17 + 5x = 53 + -4x$

$9x = 36$

$x = 4$

11) $32 + 1x = -4x + 57$

$5x = 25$

$x = 5$

12) $81 - 3x = -12x + 162$

$9x = 81$

$x = 9$

Answers1. 22. 83. 84. 45. 66. 67. 68. 109. 510. 411. 512. 9



Find the value of x.

4	10	8	6	6
2	4	5	6	8

1) $22 - 3x = -12x + 40$

2) $25 + 4x = -3x + 81$

3) $2x + 5 = 0x + 21$

4) $87 - 2x = 123 - 11x$

5) $12 + 1x = 48 + -5x$

6) $89 + -2x = 149 + -12x$

7) $70 - 3x = -13x + 130$

8) $2 + 1x = -5x + 62$

9) $-4x + 45 = -10x + 75$

10) $17 + 5x = 53 + -4x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



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

$4x = 12$

$x = 3$

Answers1. 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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the value of x.

1) $58 - 3x = -8x + 78$

2) $1x + 6 = -1x + 18$

3) $87 + -2x = 108 + -5x$

4) $138 + -5x = 178 + -9x$

5) $70 + -4x = 119 + -11x$

6) $-4x + 55 = -10x + 73$

7) $4x + 61 = 1x + 79$

8) $-1x + 34 = 84 + -6x$

9) $-2x + 69 = 159 - 12x$

10) $3x + 78 = -6x + 114$

11) $73 + 5x = 2x + 82$

12) $102 - 3x = 142 - 8x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $58 - 3x = -8x + 78$

$5x = 20$

$x = 4$

2) $1x + 6 = -1x + 18$

$2x = 12$

$x = 6$

3) $87 + -2x = 108 + -5x$

$3x = 21$

$x = 7$

4) $138 + -5x = 178 + -9x$

$4x = 40$

$x = 10$

5) $70 + -4x = 119 + -11x$

$7x = 49$

$x = 7$

6) $-4x + 55 = -10x + 73$

$6x = 18$

$x = 3$

7) $4x + 61 = 1x + 79$

$3x = 18$

$x = 6$

8) $-1x + 34 = 84 + -6x$

$5x = 50$

$x = 10$

9) $-2x + 69 = 159 - 12x$

$10x = 90$

$x = 9$

10) $3x + 78 = -6x + 114$

$9x = 36$

$x = 4$

11) $73 + 5x = 2x + 82$

$3x = 9$

$x = 3$

12) $102 - 3x = 142 - 8x$

$5x = 40$

$x = 8$

Answers1. 42. 63. 74. 105. 76. 37. 68. 109. 910. 411. 312. 8



Find the value of x.

9

6

10

6

4

3

7

10

4

7

1) $58 - 3x = -8x + 78$

2) $1x + 6 = -1x + 18$

3) $87 + -2x = 108 + -5x$

4) $138 + -5x = 178 + -9x$

5) $70 + -4x = 119 + -11x$

6) $-4x + 55 = -10x + 73$

7) $4x + 61 = 1x + 79$

8) $-1x + 34 = 84 + -6x$

9) $-2x + 69 = 159 - 12x$

10) $3x + 78 = -6x + 114$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the value of x.

1) $-5x + 82 = 94 + -8x$

2) $13 + 4x = -1x + 28$

3) $-4x + 50 = -9x + 75$

4) $73 + -4x = -7x + 91$

5) $5x + 26 = 2x + 50$

6) $-2x + 91 = 112 + -9x$

7) $3x + 41 = 77 + -1x$

8) $-1x + 57 = 81 - 7x$

9) $2x + 4 = -8x + 64$

10) $-1x + 29 = -5x + 61$

11) $38 - 4x = 53 - 7x$

12) $-4x + 108 = 189 - 13x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $-5x + 82 = 94 + -8x$

$3x = 12$

$x = 4$

2) $13 + 4x = -1x + 28$

$5x = 15$

$x = 3$

3) $-4x + 50 = -9x + 75$

$5x = 25$

$x = 5$

4) $73 + -4x = -7x + 91$

$3x = 18$

$x = 6$

5) $5x + 26 = 2x + 50$

$3x = 24$

$x = 8$

6) $-2x + 91 = 112 + -9x$

$7x = 21$

$x = 3$

7) $3x + 41 = 77 + -1x$

$4x = 36$

$x = 9$

8) $-1x + 57 = 81 - 7x$

$6x = 24$

$x = 4$

9) $2x + 4 = -8x + 64$

$10x = 60$

$x = 6$

10) $-1x + 29 = -5x + 61$

$4x = 32$

$x = 8$

11) $38 - 4x = 53 - 7x$

$3x = 15$

$x = 5$

12) $-4x + 108 = 189 - 13x$

$9x = 81$

$x = 9$

Answers1. 42. 33. 54. 65. 86. 37. 98. 49. 610. 811. 512. 9



Find the value of x.

8

6

6

8

4

9

4

3

3

5

1) $-5x + 82 = 94 + -8x$

2) $13 + 4x = -1x + 28$

3) $-4x + 50 = -9x + 75$

4) $73 + -4x = -7x + 91$

5) $5x + 26 = 2x + 50$

6) $-2x + 91 = 112 + -9x$

7) $3x + 41 = 77 + -1x$

8) $-1x + 57 = 81 - 7x$

9) $2x + 4 = -8x + 64$

10) $-1x + 29 = -5x + 61$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the value of x.

1) $4x + -8 = 1x + 7$

2) $-2x + 103 = 148 + -7x$

3) $78 + 2x = -1x + 93$

4) $124 - 5x = -13x + 180$

5) $4x + 47 = -4x + 71$

6) $58 - 2x = 85 - 5x$

7) $-4x + 89 = 145 - 12x$

8) $61 - 5x = 133 - 13x$

9) $66 - 3x = -7x + 98$

10) $-5x + 82 = 172 + -15x$

11) $5x + 48 = 96 - 1x$

12) $75 + 2x = -1x + 90$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $4x + -8 = 1x + 7$

$3x = 15$

$x = 5$

2) $-2x + 103 = 148 + -7x$

$5x = 45$

$x = 9$

3) $78 + 2x = -1x + 93$

$3x = 15$

$x = 5$

4) $124 - 5x = -13x + 180$

$8x = 56$

$x = 7$

5) $4x + 47 = -4x + 71$

$8x = 24$

$x = 3$

6) $58 - 2x = 85 - 5x$

$3x = 27$

$x = 9$

7) $-4x + 89 = 145 - 12x$

$8x = 56$

$x = 7$

8) $61 - 5x = 133 - 13x$

$8x = 72$

$x = 9$

9) $66 - 3x = -7x + 98$

$4x = 32$

$x = 8$

10) $-5x + 82 = 172 + -15x$

$10x = 90$

$x = 9$

11) $5x + 48 = 96 - 1x$

$6x = 48$

$x = 8$

12) $75 + 2x = -1x + 90$

$3x = 15$

$x = 5$

Answers1. 52. 93. 54. 75. 36. 97. 78. 99. 810. 911. 812. 5



Find the value of x.

9

5

9

5

3

7

9

9

7

8

1) $4x + -8 = 1x + 7$

2) $-2x + 103 = 148 + -7x$

3) $78 + 2x = -1x + 93$

4) $124 - 5x = -13x + 180$

5) $4x + 47 = -4x + 71$

6) $58 - 2x = 85 - 5x$

7) $-4x + 89 = 145 - 12x$

8) $61 - 5x = 133 - 13x$

9) $66 - 3x = -7x + 98$

10) $-5x + 82 = 172 + -15x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the value of x.

1) $2 + 3x = 11 + 0x$

2) $2x + 3 = -1x + 30$

3) $1x + 21 = 81 - 9x$

4) $-3x + 100 = 135 + -8x$

5) $54 + 1x = -8x + 81$

6) $60 + 3x = 85 - 2x$

7) $-3x + 66 = -13x + 136$

8) $5x + 40 = -4x + 67$

9) $105 - 5x = -7x + 117$

10) $63 + 1x = 135 - 7x$

11) $2x + 18 = -2x + 30$

12) $5x + 24 = 64 - 5x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $2 + 3x = 11 + 0x$

$3x = 9$

$x = 3$

2) $2x + 3 = -1x + 30$

$3x = 27$

$x = 9$

3) $1x + 21 = 81 - 9x$

$10x = 60$

$x = 6$

4) $-3x + 100 = 135 + -8x$

$5x = 35$

$x = 7$

5) $54 + 1x = -8x + 81$

$9x = 27$

$x = 3$

6) $60 + 3x = 85 - 2x$

$5x = 25$

$x = 5$

7) $-3x + 66 = -13x + 136$

$10x = 70$

$x = 7$

8) $5x + 40 = -4x + 67$

$9x = 27$

$x = 3$

9) $105 - 5x = -7x + 117$

$2x = 12$

$x = 6$

10) $63 + 1x = 135 - 7x$

$8x = 72$

$x = 9$

11) $2x + 18 = -2x + 30$

$4x = 12$

$x = 3$

12) $5x + 24 = 64 - 5x$

$10x = 40$

$x = 4$

Answers1. 32. 93. 64. 75. 36. 57. 78. 39. 610. 911. 312. 4



Find the value of x.

6

9

3

5

7

6

3

7

9

3

1) $2 + 3x = 11 + 0x$

2) $2x + 3 = -1x + 30$

3) $1x + 21 = 81 - 9x$

4) $-3x + 100 = 135 + -8x$

5) $54 + 1x = -8x + 81$

6) $60 + 3x = 85 - 2x$

7) $-3x + 66 = -13x + 136$

8) $5x + 40 = -4x + 67$

9) $105 - 5x = -7x + 117$

10) $63 + 1x = 135 - 7x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the value of x.

1) $5x + 72 = 87 + 0x$

2) $-5 + 5x = 19 + 1x$

3) $3x + 41 = 0x + 65$

4) $66 + 3x = 81 + 0x$

5) $3x + 19 = 55 - 6x$

6) $5x + 7 = 70 - 2x$

7) $-3x + 43 = -5x + 61$

8) $-2x + 39 = -7x + 89$

9) $-2x + 90 = 117 + -11x$

10) $-2x + 89 = 105 + -4x$

11) $58 + -2x = 73 + -7x$

12) $3x + 25 = -6x + 88$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $5x + 72 = 87 + 0x$

$5x = 15$

$x = 3$

2) $-5 + 5x = 19 + 1x$

$4x = 24$

$x = 6$

3) $3x + 41 = 0x + 65$

$3x = 24$

$x = 8$

4) $66 + 3x = 81 + 0x$

$3x = 15$

$x = 5$

5) $3x + 19 = 55 - 6x$

$9x = 36$

$x = 4$

6) $5x + 7 = 70 - 2x$

$7x = 63$

$x = 9$

7) $-3x + 43 = -5x + 61$

$2x = 18$

$x = 9$

8) $-2x + 39 = -7x + 89$

$5x = 50$

$x = 10$

9) $-2x + 90 = 117 + -11x$

$9x = 27$

$x = 3$

10) $-2x + 89 = 105 + -4x$

$2x = 16$

$x = 8$

11) $58 + -2x = 73 + -7x$

$5x = 15$

$x = 3$

12) $3x + 25 = -6x + 88$

$9x = 63$

$x = 7$

Answers1. 32. 63. 84. 55. 46. 97. 98. 109. 310. 811. 312. 7



Find the value of x.

4

6

9

9

5

3

3

8

10

8

1) $5x + 72 = 87 + 0x$

2) $-5 + 5x = 19 + 1x$

3) $3x + 41 = 0x + 65$

4) $66 + 3x = 81 + 0x$

5) $3x + 19 = 55 - 6x$

6) $5x + 7 = 70 - 2x$

7) $-3x + 43 = -5x + 61$

8) $-2x + 39 = -7x + 89$

9) $-2x + 90 = 117 + -11x$

10) $-2x + 89 = 105 + -4x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the value of x.

1) $32 - 3x = -5x + 40$

2) $-5x + 73 = -8x + 85$

3) $53 + 1x = 59 - 2x$

4) $2x + 60 = 95 + -3x$

5) $-2x + 51 = -4x + 55$

6) $50 + -4x = -8x + 74$

7) $5x + 1 = 11 + 3x$

8) $36 + 2x = -6x + 52$

9) $-3x + 75 = 83 - 5x$

10) $-3x + 64 = -7x + 96$

11) $1x + 32 = 38 + -1x$

12) $-12 + 4x = 16 + 0x$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Find the value of x.

1) $32 - 3x = -5x + 40$

$2x = 8$

$x = 4$

2) $-5x + 73 = -8x + 85$

$3x = 12$

$x = 4$

3) $53 + 1x = 59 - 2x$

$3x = 6$

$x = 2$

4) $2x + 60 = 95 + -3x$

$5x = 35$

$x = 7$

5) $-2x + 51 = -4x + 55$

$2x = 4$

$x = 2$

6) $50 + -4x = -8x + 74$

$4x = 24$

$x = 6$

7) $5x + 1 = 11 + 3x$

$2x = 10$

$x = 5$

8) $36 + 2x = -6x + 52$

$8x = 16$

$x = 2$

9) $-3x + 75 = 83 - 5x$

$2x = 8$

$x = 4$

10) $-3x + 64 = -7x + 96$

$4x = 32$

$x = 8$

11) $1x + 32 = 38 + -1x$

$2x = 6$

$x = 3$

12) $-12 + 4x = 16 + 0x$

$4x = 28$

$x = 7$

Answers1. 42. 43. 24. 75. 26. 67. 58. 29. 410. 811. 312. 7



Find the value of x.

4	8	6	2	4
7	2	5	4	2

1) $32 - 3x = -5x + 40$

2) $-5x + 73 = -8x + 85$

3) $53 + 1x = 59 - 2x$

4) $2x + 60 = 95 + -3x$

5) $-2x + 51 = -4x + 55$

6) $50 + -4x = -8x + 74$

7) $5x + 1 = 11 + 3x$

8) $36 + 2x = -6x + 52$

9) $-3x + 75 = 83 - 5x$

10) $-3x + 64 = -7x + 96$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



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.

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

$5x = 20$

$x = 4$

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

$8x = 16$

$x = 2$

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

$8x = 56$

$x = 7$

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

$2x = 12$

$x = 6$

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

$4x = 20$

$x = 5$

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

$2x = 6$

$x = 3$

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

$7x = 56$

$x = 8$

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

$5x = 45$

$x = 9$

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

$3x = 30$

$x = 10$

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

$4x = 36$

$x = 9$

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

$7x = 28$

$x = 4$

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

$9x = 27$

$x = 3$

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

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

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

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

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

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____