



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

$5x = 40$

$x = 8$

Answers

1. 4

2. 6

3. 7

4. 10

5. 7

6. 3

7. 6

8. 10

9. 9

10. 4

11. 3

12. 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.

$$\begin{aligned} 1) \quad -5x + 82 &= 94 + -8x \\ 3x &= 12 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 2) \quad 13 + 4x &= -1x + 28 \\ 5x &= 15 \\ x &= 3 \end{aligned}$$

$$\begin{aligned} 3) \quad -4x + 50 &= -9x + 75 \\ 5x &= 25 \\ x &= 5 \end{aligned}$$

$$\begin{aligned} 4) \quad 73 + -4x &= -7x + 91 \\ 3x &= 18 \\ x &= 6 \end{aligned}$$

$$\begin{aligned} 5) \quad 5x + 26 &= 2x + 50 \\ 3x &= 24 \\ x &= 8 \end{aligned}$$

$$\begin{aligned} 6) \quad -2x + 91 &= 112 + -9x \\ 7x &= 21 \\ x &= 3 \end{aligned}$$

$$\begin{aligned} 7) \quad 3x + 41 &= 77 + -1x \\ 4x &= 36 \\ x &= 9 \end{aligned}$$

$$\begin{aligned} 8) \quad -1x + 57 &= 81 - 7x \\ 6x &= 24 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 9) \quad 2x + 4 &= -8x + 64 \\ 10x &= 60 \\ x &= 6 \end{aligned}$$

$$\begin{aligned} 10) \quad -1x + 29 &= -5x + 61 \\ 4x &= 32 \\ x &= 8 \end{aligned}$$

$$\begin{aligned} 11) \quad 38 - 4x &= 53 - 7x \\ 3x &= 15 \\ x &= 5 \end{aligned}$$

$$\begin{aligned} 12) \quad -4x + 108 &= 189 - 13x \\ 9x &= 81 \\ x &= 9 \end{aligned}$$

**Answers**1. 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)  $75 + 2x = -1x + 90$

$3x = 15$

$x = 5$

Answers

1. 5

2. 9

3. 5

4. 7

5. 3

6. 9

7. 7

8. 9

9. 8

10. 9

11. 8

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

$4x = 28$

$x = 7$

**Answers**1. 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)  $39 + 3x = 59 - 1x$

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

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

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

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

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

**Answers**

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

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

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

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

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

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

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

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

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

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