



Find the value of x.

1)  $12 + 1x = 22$

2)  $1 + 1x = 10$

3)  $3 + 4x = 11$

4)  $-2 + 4x = 30$

5)  $133 - 10x = 53$

6)  $28 + -3x = 10$

7)  $82 + -6x = 46$

8)  $51 + 1x = 53$

9)  $130 - 15x = 10$

10)  $34 - 3x = 25$

11)  $63 - 5x = 28$

12)  $83 + -3x = 71$

Answers

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

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

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

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

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

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

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

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

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

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

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

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



Find the value of x.

1)  $12 + 1x = 22$   
 $x = 10$

2)  $1 + 1x = 10$   
 $x = 9$

3)  $3 + 4x = 11$   
 $x = 2$

4)  $-2 + 4x = 30$   
 $x = 8$

5)  $133 - 10x = 53$   
 $x = 8$

6)  $28 + -3x = 10$   
 $x = 6$

7)  $82 + -6x = 46$   
 $x = 6$

8)  $51 + 1x = 53$   
 $x = 2$

9)  $130 - 15x = 10$   
 $x = 8$

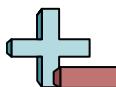
10)  $34 - 3x = 25$   
 $x = 3$

11)  $63 - 5x = 28$   
 $x = 7$

12)  $83 + -3x = 71$   
 $x = 4$

**Answers**

1. **10**
2. **9**
3. **2**
4. **8**
5. **8**
6. **6**
7. **6**
8. **2**
9. **8**
10. **3**
11. **7**
12. **4**



Find the value of x.

8  
69  
26  
28  
38  
10Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $12 + 1x = 22$

2)  $1 + 1x = 10$

3)  $3 + 4x = 11$

4)  $-2 + 4x = 30$

5)  $133 - 10x = 53$

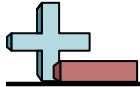
6)  $28 + -3x = 10$

7)  $82 + -6x = 46$

8)  $51 + 1x = 53$

9)  $130 - 15x = 10$

10)  $34 - 3x = 25$

**Find the value of x.**

1)  $22 - 3x = 16$

2)  $25 + 4x = 57$

3)  $2x + 5 = 21$

4)  $123 - 11x = 79$

5)  $48 + -5x = 18$

6)  $149 + -12x = 77$

7)  $70 - 3x = 52$

8)  $2 + 1x = 12$

9)  $-4x + 45 = 25$

10)  $53 + -4x = 37$

11)  $32 + 1x = 37$

12)  $81 - 3x = 54$

**Answers**

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

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

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

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

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

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

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

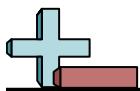
8. \_\_\_\_\_

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

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

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

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



Find the value of x.

1)  $22 - 3x = 16$   
 $x = 2$

2)  $25 + 4x = 57$   
 $x = 8$

3)  $2x + 5 = 21$   
 $x = 8$

4)  $123 - 11x = 79$   
 $x = 4$

5)  $48 + -5x = 18$   
 $x = 6$

6)  $149 + -12x = 77$   
 $x = 6$

7)  $70 - 3x = 52$   
 $x = 6$

8)  $2 + 1x = 12$   
 $x = 10$

9)  $-4x + 45 = 25$   
 $x = 5$

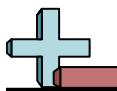
10)  $53 + -4x = 37$   
 $x = 4$

11)  $32 + 1x = 37$   
 $x = 5$

12)  $81 - 3x = 54$   
 $x = 9$

**Answers**

1. **2**  
 2. **8**  
 3. **8**  
 4. **4**  
 5. **6**  
 6. **6**  
 7. **6**  
 8. **10**  
 9. **5**  
 10. **4**  
 11. **5**  
 12. **9**



## Determining Variable Value (+, -, ×, ÷)

Name: \_\_\_\_\_

Find the value of x.

4  
210  
48  
56  
66  
8Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $22 - 3x = 16$

2)  $25 + 4x = 57$

3)  $2x + 5 = 21$

4)  $123 - 11x = 79$

5)  $48 + -5x = 18$

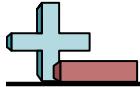
6)  $149 + -12x = 77$

7)  $70 - 3x = 52$

8)  $2 + 1x = 12$

9)  $-4x + 45 = 25$

10)  $53 + -4x = 37$



Find the value of x.

1)  $47 + -2x = 33$

2)  $83 + -3x = 65$

3)  $2x + 44 = 56$

4)  $37 - 1x = 27$

5)  $62 + 2x = 74$

6)  $-3x + 95 = 71$

7)  $20 + 1x = 24$

8)  $2x + 59 = 71$

9)  $110 - 10x = 20$

10)  $3x - 7 = 11$

11)  $28 + 1x = 31$

12)  $90 + -1x = 87$

**Answers**

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

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

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

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

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

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

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

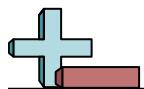
8. \_\_\_\_\_

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

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

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

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



**Find the value of x.**

$$1) \quad 47 + -2x = 33$$

$$2) \quad 83 + -3x = 65$$

$$3) \quad 2x + 44 = 56$$

$$4) \quad 37 - 1x = 27$$

$$5) \quad 62 + 2x = 74$$

$$6) \quad -3x + 95 = 71$$

$$7) \quad 20 + 1x = 24$$

$$8) \quad 2x + 59 = 71$$

$$9) \quad 110 - 10x = 20$$

$$10) \quad 3x - 7 = 11$$

$$11) \quad 28 + 1x = 31$$

$$12) \quad 90 + -1x = 87$$

## Answers

1. 7

2. 6

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

4. 10

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

6. 8

7.          4

8.

6

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

10. 6

11. 3

12. 3



Find the value of x.

10

6

6

4

6

6

9

8

7

6

1)  $47 + -2x = 33$

2)  $83 + -3x = 65$

3)  $2x + 44 = 56$

4)  $37 - 1x = 27$

5)  $62 + 2x = 74$

6)  $-3x + 95 = 71$

7)  $20 + 1x = 24$

8)  $2x + 59 = 71$

9)  $110 - 10x = 20$

10)  $3x - 7 = 11$

Answers

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

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

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

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

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

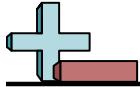
6. \_\_\_\_\_

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

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

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

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



Find the value of x.

1)  $58 - 3x = 46$

2)  $1x + 6 = 12$

3)  $108 + -5x = 73$

4)  $178 + -9x = 88$

5)  $119 + -11x = 42$

6)  $-4x + 55 = 43$

7)  $4x + 61 = 85$

8)  $84 + -6x = 24$

9)  $159 - 12x = 51$

10)  $3x + 78 = 90$

11)  $73 + 5x = 88$

12)  $142 - 8x = 78$

Answers

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

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

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

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

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

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

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

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

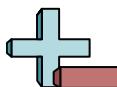
9. \_\_\_\_\_

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

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

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





Find the value of x.

9  
36  
710  
106  
44  
7Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $58 - 3x = 46$

2)  $1x + 6 = 12$

3)  $108 + -5x = 73$

4)  $178 + -9x = 88$

5)  $119 + -11x = 42$

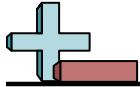
6)  $-4x + 55 = 43$

7)  $4x + 61 = 85$

8)  $84 + -6x = 24$

9)  $159 - 12x = 51$

10)  $3x + 78 = 90$



Find the value of x.

1)  $94 + -8x = 62$

2)  $13 + 4x = 25$

3)  $-4x + 50 = 30$

4)  $73 + -4x = 49$

5)  $5x + 26 = 66$

6)  $112 + -9x = 85$

7)  $77 + -1x = 68$

8)  $81 - 7x = 53$

9)  $2x + 4 = 16$

10)  $-1x + 29 = 21$

11)  $53 - 7x = 18$

12)  $189 - 13x = 72$

Answers

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

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

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

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

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

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

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

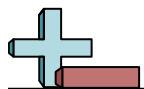
8. \_\_\_\_\_

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

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

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

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



**Find the value of x.**

$$1) \quad 94 + -8x = 62$$

$$2) \quad 13 + 4x = 25$$

$$3) \quad -4x + 50 = 30$$

$$4) \quad 73 + -4x = 49$$

$$5) \quad 5x + 26 = 66$$

$$6) \quad 112 + -9x = 85$$

$$7) \quad 77 + -1x = 68$$

$$8) \quad 81 - 7x = 53$$

$x = 4$

$$9) \quad 2x + 4 = 16$$

$$10) \quad -1x + 29 = 21$$

$$11) \quad 53 - 7x = 18$$

$$12) \quad 189 - 13x = 72$$

$x \equiv 9$

## Answers

4

3

5

6

8

3

9

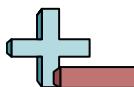
4

6

8

5

9



## Determining Variable Value (+, -, ×, ÷)

Name: \_\_\_\_\_

Find the value of x.

8  
96  
46  
38  
34  
5Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $94 + -8x = 62$

2)  $13 + 4x = 25$

3)  $-4x + 50 = 30$

4)  $73 + -4x = 49$

5)  $5x + 26 = 66$

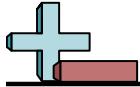
6)  $112 + -9x = 85$

7)  $77 + -1x = 68$

8)  $81 - 7x = 53$

9)  $2x + 4 = 16$

10)  $-1x + 29 = 21$

**Find the value of x.**

1)  $4x + -8 = 12$

2)  $148 + -7x = 85$

3)  $78 + 2x = 88$

4)  $124 - 5x = 89$

5)  $4x + 47 = 59$

6)  $85 - 5x = 40$

7)  $145 - 12x = 61$

8)  $133 - 13x = 16$

9)  $66 - 3x = 42$

10)  $172 + -15x = 37$

11)  $96 - 1x = 88$

12)  $75 + 2x = 85$

**Answers**

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

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

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

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

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

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

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

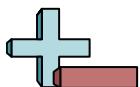
8. \_\_\_\_\_

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

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

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

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

**Find the value of x.**

1)  $4x + -8 = 12$   
 $x = 5$

2)  $148 + -7x = 85$   
 $x = 9$

3)  $78 + 2x = 88$   
 $x = 5$

4)  $124 - 5x = 89$   
 $x = 7$

5)  $4x + 47 = 59$   
 $x = 3$

6)  $85 - 5x = 40$   
 $x = 9$

7)  $145 - 12x = 61$   
 $x = 7$

8)  $133 - 13x = 16$   
 $x = 9$

9)  $66 - 3x = 42$   
 $x = 8$

10)  $172 + -15x = 37$   
 $x = 9$

11)  $96 - 1x = 88$   
 $x = 8$

12)  $75 + 2x = 85$   
 $x = 5$

**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  
75  
99  
95  
73  
8Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $4x + -8 = 12$

2)  $148 + -7x = 85$

3)  $78 + 2x = 88$

4)  $124 - 5x = 89$

5)  $4x + 47 = 59$

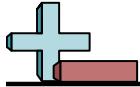
6)  $85 - 5x = 40$

7)  $145 - 12x = 61$

8)  $133 - 13x = 16$

9)  $66 - 3x = 42$

10)  $172 + -15x = 37$



Find the value of x.

1)  $11 + 0x = 11$

2)  $2x + 3 = 21$

3)  $81 - 9x = 27$

4)  $135 + -8x = 79$

5)  $54 + 1x = 57$

6)  $85 - 2x = 75$

7)  $-3x + 66 = 45$

8)  $5x + 40 = 55$

9)  $105 - 5x = 75$

10)  $135 - 7x = 72$

11)  $2x + 18 = 24$

12)  $64 - 5x = 44$

Answers

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

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

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

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

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

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

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

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

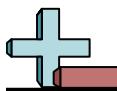
9. \_\_\_\_\_

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

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

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





## Determining Variable Value (+, -, ×, ÷)

Name: \_\_\_\_\_

Find the value of x.

6  
69  
33  
75  
97  
3Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $11 + 0x = 11$

2)  $2x + 3 = 21$

3)  $81 - 9x = 27$

4)  $135 + -8x = 79$

5)  $54 + 1x = 57$

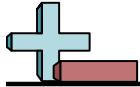
6)  $85 - 2x = 75$

7)  $-3x + 66 = 45$

8)  $5x + 40 = 55$

9)  $105 - 5x = 75$

10)  $135 - 7x = 72$



Find the value of x.

1)  $87 + 0x = 87$

2)  $19 + 1x = 25$

3)  $3x + 41 = 65$

4)  $81 + 0x = 81$

5)  $55 - 6x = 31$

6)  $70 - 2x = 52$

7)  $-3x + 43 = 16$

8)  $-2x + 39 = 19$

9)  $117 + -11x = 84$

10)  $105 + -4x = 73$

11)  $73 + -7x = 52$

12)  $3x + 25 = 46$

Answers

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

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

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

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

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

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

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

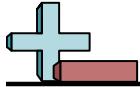
8. \_\_\_\_\_

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

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

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

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



Find the value of x.

1)  $87 + 0x = 87$   
 $x = 3$

2)  $19 + 1x = 25$   
 $x = 6$

**Answers**1. **3**2. **6**3. **8**4. **5**5. **4**6. **9**7. **9**8. **10**9. **3**10. **8**11. **3**12. **7**

3)  $3x + 41 = 65$   
 $x = 8$

4)  $81 + 0x = 81$   
 $x = 5$

5)  $55 - 6x = 31$   
 $x = 4$

6)  $70 - 2x = 52$   
 $x = 9$

7)  $-3x + 43 = 16$   
 $x = 9$

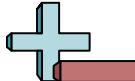
8)  $-2x + 39 = 19$   
 $x = 10$

9)  $117 + -11x = 84$   
 $x = 3$

10)  $105 + -4x = 73$   
 $x = 8$

11)  $73 + -7x = 52$   
 $x = 3$

12)  $3x + 25 = 46$   
 $x = 7$



Find the value of x.

4  
36  
39  
89  
105  
8Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $87 + 0x = 87$

2)  $19 + 1x = 25$

3)  $3x + 41 = 65$

4)  $81 + 0x = 81$

5)  $55 - 6x = 31$

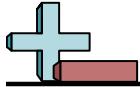
6)  $70 - 2x = 52$

7)  $-3x + 43 = 16$

8)  $-2x + 39 = 19$

9)  $117 + -11x = 84$

10)  $105 + -4x = 73$



Find the value of x.

1)  $32 - 3x = 20$

2)  $-5x + 73 = 53$

3)  $59 - 2x = 55$

4)  $95 + -3x = 74$

5)  $-2x + 51 = 47$

6)  $50 + -4x = 26$

7)  $11 + 3x = 26$

8)  $36 + 2x = 40$

9)  $83 - 5x = 63$

10)  $-3x + 64 = 40$

11)  $38 + -1x = 35$

12)  $16 + 0x = 16$

Answers

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

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

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

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

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

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

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

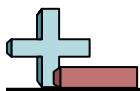
8. \_\_\_\_\_

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

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

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

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



Find the value of x.

1)  $32 - 3x = 20$   
 $x = 4$

2)  $-5x + 73 = 53$   
 $x = 4$

3)  $59 - 2x = 55$   
 $x = 2$

4)  $95 + -3x = 74$   
 $x = 7$

5)  $-2x + 51 = 47$   
 $x = 2$

6)  $50 + -4x = 26$   
 $x = 6$

7)  $11 + 3x = 26$   
 $x = 5$

8)  $36 + 2x = 40$   
 $x = 2$

9)  $83 - 5x = 63$   
 $x = 4$

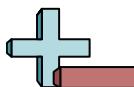
10)  $-3x + 64 = 40$   
 $x = 8$

11)  $38 + -1x = 35$   
 $x = 3$

12)  $16 + 0x = 16$   
 $x = 7$

**Answers**

1. **4**
2. **4**
3. **2**
4. **7**
5. **2**
6. **6**
7. **5**
8. **2**
9. **4**
10. **8**
11. **3**
12. **7**



Find the value of x.

4  
78  
26  
52  
44  
2Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1)  $32 - 3x = 20$

2)  $-5x + 73 = 53$

3)  $59 - 2x = 55$

4)  $95 + -3x = 74$

5)  $-2x + 51 = 47$

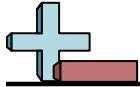
6)  $50 + -4x = 26$

7)  $11 + 3x = 26$

8)  $36 + 2x = 40$

9)  $83 - 5x = 63$

10)  $-3x + 64 = 40$



Find the value of x.

1)  $-3x + 81 = 69$

2)  $59 - 4x = 51$

3)  $108 - 10x = 38$

4)  $78 - 3x = 60$

5)  $59 - 1x = 54$

6)  $2x + 42 = 48$

7)  $75 - 3x = 51$

8)  $126 - 4x = 90$

9)  $121 + -8x = 41$

10)  $1x + 49 = 58$

11)  $-3x + 82 = 70$

12)  $94 + -3x = 85$

Answers

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

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

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

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

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

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

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

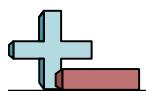
8. \_\_\_\_\_

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

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

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

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



**Find the value of x.**

$$1) \quad -3x + 81 = 69$$

$x = 4$

$$2) \quad 59 - 4x = 51$$

$$3) \quad 108 - 10x = 38$$

$$4) \quad 78 - 3x = 60$$

$$5) \quad 59 - 1x = 54$$

$$6) \quad 2x + 42 = 48$$

$$7) \quad 75 - 3x = 51$$

$$8) \quad 126 - 4x = 90$$

$$9) \quad 121 + -8x = 41$$

$$10) \quad 1x + 49 = 58$$

$$11) \quad -3x + 82 = 70$$

$$12) \quad 94 + -3x = 85$$

## Answers

4

2

7

6

5

3

8

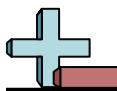
9

10

9

4

3



Find the value of x.

2

4

5

6

9

9

7

10

8

3

1)  $-3x + 81 = 69$

2)  $59 - 4x = 51$

3)  $108 - 10x = 38$

4)  $78 - 3x = 60$

5)  $59 - 1x = 54$

6)  $2x + 42 = 48$

7)  $75 - 3x = 51$

8)  $126 - 4x = 90$

9)  $121 + -8x = 41$

10)  $1x + 49 = 58$

Answers

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

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

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

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

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

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

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

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

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

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