

ALGEBRA – EQUATIONS 2

1. $8x + 18 - 3x - 4 = 64$

2. $-4x + x - 8x = 0$

3. $9w - 2w + 10 = 31$

4. $-7 = 7m + 25 + m$

5. $10 = 2p - p + 1$

6. $27 + c + 11c - 15 = 96$

7. $19 - 3x = 4x - 2$

8. $2x - 7 = 4x + 11$

9. $3.5x - 2.4 = 3.9 + 1.4x$

10. $\frac{1}{2}x - \frac{1}{4} = \frac{3}{4}x - \frac{1}{2}$

11. $1 - m = m - 1$

12. $\frac{x}{3} - 5 = 16$

13. $3x + 6 + 9x = -4 - 3x + 7$

14. $49 - 10x - 3 = 50 - 2x$

15. $-5 - 4x - 3 - 2x - 1 = 0$

16. $23 - x = 13 - 4x$

17. $13 - 2.6x - 5 = 12x + 8$

18. $x + 2x + 3x = 180$

19. $x + 2x + 5 + 3x = 180 + x$

20. $6x - 7 = 27x + 14$

ANSWER KEY

1. $x = 10$

6. $c = 7$

11. $m = 1$

16. $x = -\frac{10}{3}$

2. $x = 0$

7. $x = 3$

12. $x = 63$

17. $x = 0$

3. $w = 3$

8. $x = -9$

13. $x = -\frac{1}{5}$

18. $x = 30$

4. $m = -4$

9. $x = 3$

14. $x = -\frac{1}{2}$

19. $x = 35$

5. $p = 9$

10. $x = 1$

15. $x = -\frac{3}{2}$

20. $x = -1$

Source: Government of BC used with permission.