1. 4x + 10 = 6x + 6 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

2. 2x + 2 = 4 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

3. 3x + 4 = 4x □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

4. 7x + 3 = 2x + 3 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

5. 7x + 5 = x +17 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

6. x + 8 = 6x + 3 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

7. 3x + 8 = 2x + 14 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

8. 5x + 2 = 3x + 20 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

9. 3x + 2 = 2x + 13 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

10. 4x + 4 = 5x □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

11. 4x – 3x + 12 = 2x + 2 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

12. 14 + 7x -2x = 2x + 20 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

13. 5x -x +9 = x + 18 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

14. 12x – 7x + 2 = 22 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

15. x + x + 2 = 2x + 1 + x □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

16. 6x – x + 3 = x + 11 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

17. 3x + x + 4 = 4x – 2x + 12 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

18. 3x + 6 – 2 = 7x □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

19. x + 5 = 5x – 2x + 1 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

20. 2(1 + x) + x = x + 12 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

21.7x – 2x – x + 4 = 2x + 16 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

22. 7x -2x + 20 = 10x + 5 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

23. 2(2 + 2x) = 3x + 18 □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself

24. 3(2x + 6) = x + 20 + 3x □ Distribute, if needed

□ Combine like terms on each side of = sign (do not cross =)

□ Try to get all the variable terms on one side of the equation-

(use the inverse operation)

□ Now get all the constants (regular numbers) on the OTHER

side of the equation.

□ Divide to get the variable all by itself