⋆⋆⋆ Importance **Linear Equations - Terms** ⋆ Difficulty

- Collect like terms on left and right
- Isolate x and constants either side
- Simplify again
- Divide down the x coefficient and reduce*

1. $3x + 5 + 2x = x + 8 + 3$ $x = \frac{6}{4}$
2. $2x - 4 + 3x = x + 7 - 2$ $x = \frac{9}{4}$
3. $5x + 6 - 2x = x + 10 + 4$ $x = \frac{8}{2}$
4. $4x - 3 + x = 2x + 5 + 8$ $x = \frac{16}{3}$
5. $x + 12 + 2x = -x + 6 + 9$ $x = \frac{3}{4}$
6. $6x - 8 - x = 3x + 4 - 3$ $x = \frac{9}{2}$
7. $3x + 7 + 4x = 2x - 5 + 12$ $x = \frac{0}{5}$
8. $2x - 6 + 5x = 3x + 8 - 4$ $x = \frac{10}{4}$
9. $5x + 4 - 3x = x - 2 + 11$ $x = 5$
10. $4x + 9 + 3x = -2x + 15 - 6$ $x = \frac{0}{9}$
11. $x - 5 + 6x = 2x + 10 + 7$ $x = \frac{22}{5}$
12. $7x + 8 - 2x = 3x - 4 + 16$ $x = \frac{4}{2}$
13. $3x - 7 + 2x = -x + 9 + 5$ $x = \frac{21}{6}$
14. $6x + 5 + x = 4x - 8 + 18$ $x = \frac{5}{3}$
15. $2x + 11 + 4x = x - 3 + 14$ $x = \frac{0}{5}$
16. $5x - 9 - x = 2x + 6 - 5$ $x = \frac{10}{2}$
17. $4x + 6 + 2x = -3x + 12 + 3$ $x = \frac{9}{9}$
18. $x - 8 + 7x = 3x + 5 - 2$ $x = \frac{11}{5}$
19. $8x + 4 - 3x = 2x - 6 + 10$ $x = \frac{0}{3}$
20. $3x - 12 + 5x = x + 8 + 4$ $x = \frac{24}{7}$

*Answers shown not reduced*