

1. $5y - 2y = 3y + 2$	2. $20 - a = 10a - 2$
3. $-3(x + 5) = 3(x - 1)$	4. $3(y + 1) - 5 = 3y - 2$
5. $2(-2 - 2x) = -4x + 5$	6. $2(w - 1) + 4 = 4(w + 1)$
7. $\frac{1}{2}(4 - 6x) = \frac{1}{3}(12 - 18x)$	8. $2x - (x - 5) = 4x + 8$

9. $5x - 7 = 3 + 5(x - 2)$

10. $\frac{3}{4}x + 10 = 2 + \frac{1}{8}x$

11. Twice a number increased by 20 is 62.
Find the number.

12. Twice a number increased by 4 times the number
is 96. Find the number.

13. Twice a number increased by 12 is 31 less than 3
times the number. Find the number.

14. A number increased by 5 less than twice itself is
415. Find the number.

- 1. Define Variables**
- 2. Set up Equation**
- 3. Solve Equation**
- 4. Answer the Question**

15. Find two consecutive integers whose sum is 19.	16. Tripling the greater of two consecutive even integers gives the same result as subtracting 10 from the lesser even integer.
17. Find four consecutive integers such that the greatest is twice the least.	18. Find two consecutive odd integers whose sum is 116.