

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 3C.2 - More Solving Equations with the Variable on Both Sides

#1-10, Solve each equation.

1. $10 + 3(4 - 6a) = -(6a + 12)$

2. $6 + 2(5 - 3m) = 2(2m + 4)$

3. $2(4k + 3) = 8 + 6(2k - 3)$

4. $-2 - 4(2r - 1) = 3(6 - 2r)$

5. $-4(7x + 9) = 3(3 - 5x) - 4x$

6. $9p - 3(p + 4) + 2 = -3(5 + p)$

7. $3(q + 5) + 2 = -11 - 4q$

8. $6.5(z - 2) = -2.5(3z + 3) - 6.5$

9. $11(2m + 2) - 6 = 4m + 4(3m - 2)$

10. $3(1.5 + 2.5x) = -6.5 + 5.5x - 2.5(4 + 2x)$

11. The product of 3 and the sum of a number and 5, then added to 6 is the same as the product of -2 and 3 and decreased by the number, then minus 3. Find the number.