

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 3C.1 - Solving Equations with the Variable on Both Sides

#1-10, Solve each equation.

1. $3(2d - 7) = (2 + 4d)2$

2. $4 - (2x - 3) = 3(x - 6)$

3. $5(n - 7) = 2(2 - 2n) - 3$

4. $22 + 3(a + 6) = -4(3a + 5)$

5. $8z + 2(3 + 2z) = 3(6 + 2z)$

6. $4w + 6 - 2w = 3(6 + 2w)$

7. $-1.5(2d + 4) = 2(3.5 + 4d) - 2$

8. $9(y + 1) + 6 = 2(y + 3)$

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

10. $4z + 3(z + 1) = -22(3z - 5)$

11. The perimeters of the two figures shown are equal. Find the value of n and the perimeter of the shapes.

