Name: _____

Equations with the Distributive Property

Distribute, combine like terms and solve.

Learn: Distribute first, then combine like terms, then solve.

Example: $3(x + 3) + 3x = 45$ $x =$ 6

1. $2(x + 6) + 2x = 4$ $x =$ _____
2. $3(x + 5) + 2x = 10$ $x =$ _____
3. $3(x - 1) + 3x = 45$ $x =$ _____
4. $2(x - 1) + 3x = 8$ $x =$ _____
5. $5(x + 5) + 2x = 74$ $x =$ _____
6. $4(x + 4) + 4x = 96$ $x =$ _____
7. $5(x + 1) + 2x = -2$ $x =$ _____
8. $5(x - 3) + 3x = 25$ $x =$ _____
9. $4(x - 3) + 3x = 37$ $x =$ _____
10. $5(x - 5) + 2x = 45$ $x =$ _____
11. $5(x + 5) + 4x = 16$ $x =$ _____
12. $2(x + 2) + 2x = -8$ $x =$ _____

Name: **ANSWER KEY**

Equations with the Distributive Property

Distribute, combine like terms and solve.

Learn: Distribute first, then combine like terms, then solve.

Example: $3(x + 3) + 3x = 45$ $x =$ 6

1. $2(x + 6) + 2x = 4$ $x =$ −2
2. $3(x + 5) + 2x = 10$ $x =$ −1
3. $3(x - 1) + 3x = 45$ $x =$ 8
4. $2(x - 1) + 3x = 8$ $x =$ 2
5. $5(x + 5) + 2x = 74$ $x =$ 7
6. $4(x + 4) + 4x = 96$ $x =$ 10
7. $5(x + 1) + 2x = -2$ $x =$ −1
8. $5(x - 3) + 3x = 25$ $x =$ 5
9. $4(x - 3) + 3x = 37$ $x =$ 7
10. $5(x - 5) + 2x = 45$ $x =$ 10
11. $5(x + 5) + 4x = 16$ $x =$ −1
12. $2(x + 2) + 2x = -8$ $x =$ −3