

Solving Multi-Step Equations with Distribution

Solve each equation for the given variable. Be sure to show the required steps as shown in your notes.

1) $-5(3 - 4x) = -75$

2) $-5(-2v + 1) = -55$

3) $55 = 5(2n + 3)$

4) $-5(-1 - 2m) = 55$

5) $-75 = 5(-4n - 3)$

6) $54 = -3(4x - 2)$

7) $4(3x + 1) = 64$

8) $-5(5 - 2a) = -65$

$$9) -110 = 5(-4b - 2)$$

$$10) 5(-3 + 3r) = -60$$

$$11) 68 = -4(-5 + 4k)$$

$$12) 3(4n - 2) = 54$$

$$13) -5(-2n + 5) = -55$$

$$14) 51 = 3(-3 - 4n)$$

$$15) 4(-5x + 1) = 84$$

$$16) 65 = 5(5 - 4x)$$