

Name : _____

Solving Equations with Distributive Property

Solve each equation.

1 $-3(4b + 1) = -51$

2 $4(2x + 3) = 4$

3 $6x - 2x + 11 = -5$

4 $3d - 3(6 - 2d) = 27$

5 $2(3x + 7) + x = 70$

6 $-2(2x - 11) = 7$

7 $\frac{3}{4}(4x + 8) = -12$

8 $-6(-5n + 3) + 2 = -166$

9 $-120 = -8(3 - 6x)$

10 $5(x + 9) - 4 = 51$

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Solving Equations with Distributive Property

Answers

1 $-3(4b + 1) = -51$

$b = 4$

2 $4(2x + 3) = 4$

$x = -1$

3 $6x - 2x + 11 = -5$

$x = -4$

4 $3d - 3(6 - 2d) = 27$

$d = 5$

5 $2(3x + 7) + x = 70$

$x = 8$

6 $-2(2x - 11) = 7$

$x = 3\frac{3}{4}$

7 $\frac{3}{4}(4x + 8) = -12$

$x = -6$

8 $-6(-5n + 3) + 2 = -166$

$n = -5$

9 $-120 = -8(3 - 6x)$

$x = -2$

10 $5(x + 9) - 4 = 51$

$x = 2$