GRADE 8 MATH · HOMEWORK · ADVANCED

Distribute a Negative Coefficient to Solve Equations

SCORE / 25

01 Part A · Practice

When you distribute a negative number, multiply it by every term inside: $-3(x - 2) = -3x + 6$.

1 ●○○ Solve $-3(2c + 14) + 11c - 2 = -139$. Then check your answer.

2 ●○○ Describe the first step to solve $-33 = -10(4g + 11) + 6g + 9$. Then solve.

3 ●○○ Find the solution. $-5(3p - 9) + 3(p - 3) = 24$

4 ●○○ Solve $-9(2w + 12) + 6(w - 8) = -408$. Then check your answer.

5 ●○○ Solve for t. $17 - 4(6t - 14) + 8t = 249$

6 ●○○ Describe the first step to solve $-9(5p - 8) + p - 8 = -112$. Then solve.

7 ●○○ Solve. $-10 - 12(6a - 12) + 12a = -466$

8 ●○○ Describe the first step to solve $-3(4g + 11) - 8g - 22 = 285$. Then solve.

9 ●○○ Solve $-7(2n + 5) - 6n + 5 = 150$. Then check your answer.

10 ●○○ Describe the first step to solve $77 = -2(3h - 7) + 3(h + 4)$. Then solve.

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PREVIEW

Preview - the full worksheet and its answer key are at primeworksheet.com