

5.13 Multistep Equations

Chapter 5: Introduction to Algebra

Name: _____

Date: _____

Class/Period: _____

Problem 5.221 Solve $3(x + 2) = 24$.

Problem 5.224 Solve $7x - 4x + 9 = -6$.

Problem 5.222 Solve $5(x - 4) + 2 = 17$.

Problem 5.225 Solve $4(2x + 1) - 3 = 21$.

Problem 5.223 Solve $2x + 3x - 7 = 18$.

Problem 5.226 Solve $-3(x - 5) + 2 = 20$.

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Problem 5.227 Solve $2(x + 6) + 3x = 37$.

Problem 5.230 Solve $\frac{1}{2}(4x + 6) - 5 = 10$.

Problem 5.228 Solve $6x - 2(x + 5) = 18$.

Problem 5.231 Solve $0.4(5x - 10) + 3 = 11$.

Problem 5.229 Solve $3(2x - 4) + 5x + 1 = 34$.

Problem 5.232 Solve $8(3x - 2) = 80$ using division first.

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Problem 5.233 Solve $4(x + 3) + 2(x - 5) = 38$ and check the solution.

Problem 5.235 A student changes $3(x + 4) + 2x = 27$ to $3x + 4 + 2x = 27$. Explain and correct the error.

Problem 5.234 Solve $-2(3x - 7) + 5x = 19$.

Problem 5.236 Solve $12 - 3(2x - 5) + 4x = 31$.