

5.12 Two-Step Equations

Chapter 5: Introduction to Algebra

Name: _____

Date: _____

Class/Period: _____

Problem 5.205 Solve $2x + 7 = 19$.

Problem 5.208 Solve $11 - 4x = 27$.

Problem 5.206 Solve $5x - 4 = 31$.

Problem 5.209 Solve $\frac{x}{5} + 6 = 2$.

Problem 5.207 Solve $-3x + 8 = 20$.

Problem 5.210 Solve $\frac{x}{-3} - 7 = 5$.

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Problem 5.211 Solve $\frac{2}{3}x + 4 = 14$.

Problem 5.214 Solve $0.25x - 1.5 = 3$.

Problem 5.212 Solve $-\frac{4}{5}x - 3 = 9$.

Problem 5.215 Solve $7 = 2x - 9$.

Problem 5.213 Solve $1.5x + 2 = 11$.

Problem 5.216 Solve $-13 = 5 - 3x$.

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Problem 5.217 Four times a number, increased by 9, is 45. Write and solve an equation.

Problem 5.219 A student solves $6x + 3 = 27$ by dividing both sides by 6 first. Continue that legal method and compare it with subtracting 3 first.

Problem 5.218 A taxi charges \$4 plus \$2.50 per mile. A ride costs \$24. Find the distance.

Problem 5.220 Solve $\frac{5}{6}x - \frac{3}{2} = \frac{17}{2}$.