

Solving Multi-Step Equations

Like Terms - No Negative Coefficients

Name: _____ Date: _____



Solve the equations.

(1) $-7x - 27 + 9x = 33$

(2) $-3x + 8x - 53 = 52$

(3) $-28 + 11x - 9x = 30$

(4) $-7x + 11x - 39 = 45$

(5) $-24 - 10x + 12x = 28$

(6) $x - 50 + 9x = 100$

(7) $2x - 16 + x = 29$

(8) $-111 + 7x + 9x = 97$

(9) $5x + 4x - 91 = 80$

(10) $x - 48 + 3x = 56$

(11) $5x - 2x - 21 = 42$

(12) $4x + 3x - 63 = 126$

Solving Multi-Step Equations

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ANSWER KEY



Solve the equations.

(1) $-7x - 27 + 9x = 33$

$-27 + 2x = 33$

$2x = 60$

$x = 30$

(2) $-3x + 8x - 53 = 52$

$-53 + 5x = 52$

$5x = 105$

$x = 21$

(3) $-28 + 11x - 9x = 30$

$-28 + 2x = 30$

$2x = 58$

$x = 29$

(4) $-7x + 11x - 39 = 45$

$-39 + 4x = 45$

$4x = 84$

$x = 21$

(5) $-24 - 10x + 12x = 28$

$-24 + 2x = 28$

$2x = 52$

$x = 26$

(6) $x - 50 + 9x = 100$

$-50 + 10x = 100$

$10x = 150$

$x = 15$

(7) $2x - 16 + x = 29$

$-16 + 3x = 29$

$3x = 45$

$x = 15$

(8) $-111 + 7x + 9x = 97$

$-111 + 16x = 97$

$16x = 208$

$x = 13$

(9) $5x + 4x - 91 = 80$

$-91 + 9x = 80$

$9x = 171$

$x = 19$

(10) $x - 48 + 3x = 56$

$-48 + 4x = 56$

$4x = 104$

$x = 26$

(11) $5x - 2x - 21 = 42$

$-21 + 3x = 42$

$3x = 63$

$x = 21$

(12) $4x + 3x - 63 = 126$

$-63 + 7x = 126$

$7x = 189$

$x = 27$