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**Two-Step Equations
(Combining Like Terms)**

Note Page

Lesson Objective

To use combining like terms to solve equations.

1) $6x + 3x = 18$

2) $7x - 4x = 27$

3) $-5x + 13x = 64$

4) $-10x - 5x = 45$

5) $2x + 8 = 32$

6) $6x - 5 + 7x = 34$

7) $-15 + 3x - 7x = -43$

8) $12 - 10x + 5x = -18$

Solving Multi-Step Equations

Like Terms - Negative Coefficients

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Solve the equations.

(1) $-4x - 5x - 65 = 97$

(2) $12x - 73 - 7x = 47$

(3) $-26 + x - 4x = 10$

(4) $-60 - 12x + 6x = 18$

(5) $-5x + 7x - 23 = 23$

(6) $-85 + x + 7x = 107$

(7) $-85 + 4x + 3x = 41$

(8) $-68 + 8x - 3x = 17$

(9) $x - 29 - 4x = 22$

(10) $-8x - 111 + x = 29$

(11) $-9x - 11x - 141 = 119$

(12) $-114 - 2x + 8x = 48$