Name:

Date:

Multi Step Equations

Solve each equation.

1) $2x + 3 + 5x = -5x - 9$

2) $4x - 13 = 6x + 1 \Rightarrow$

3) $\frac{4x+5}{6} = 5 - \frac{x}{6}$

4) $\frac{6x-4}{4} = 7 - \frac{x}{2}$

5) $5x - 3(x + 5) = x + 1$

6) $8x + 3 = 3(x - 6) - 4$

7) $\frac{7x}{10} = 12 - \frac{x}{10}$

8) $x - 18 + 2x = -7x + 12$

9) $2x - 3(5x + 6) = -5(4x + 7)$

10) $\frac{x+3}{8} = 6 - \frac{x}{2}$

11) $5x + 3 = 6(x + 1)$

12) $9(x - 2) = 3(6x + 6)$

13) $5x + 3 + 2x = 8x + 19$

14) $\frac{x+8}{2} = 8 - \frac{3x}{2}$

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Name:

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Multi Step Equations

Answers

Solve each equation.

1) $2x + 3 + 5x = -5x - 9$
$x = -1$

2) $4x - 13 = 6x + 1$
$x = -7$

3) $\frac{4x+5}{6} = 5 - \frac{x}{6}$
$x = 5$

4) $\frac{6x-4}{4} = 7 - \frac{x}{2}$
$x = 4$

5) $5x - 3(x + 5) = x + 1$
$x = -14$

6) $8x + 3 = 3(x - 6) - 4$
$x = -5$

7) $\frac{7x}{10} = 12 - \frac{x}{10}$
$x = 15$

8) $x - 18 + 2x = -7x + 12$
$x = 3$

9) $2x - 3(5x + 6) = -5(4x + 7)$
$x = \frac{-17}{7}$

10) $\frac{x+3}{8} = 6 - \frac{x}{2}$
$x = 9$

11) $5x + 3 = 6(x + 1)$
$x = -3$

12) $9(x - 2) = 3(6x + 6)$
$x = -4$

13) $5x + 3 + 2x = 8x + 19$
$x = -16$

14) $\frac{x+8}{2} = 8 - \frac{3x}{2}$
$x = 2$

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