

# Equations Requiring Four or More Steps Homework

①  $3x + 5 - 11 - 2x + 6x + 9 = -4 + 8$

$x = \frac{1}{4}$

②  $7y - 9y + 3 + 8y - 5 + 8 = 1 - 3$

$y = -\frac{4}{3}$

③  $-8 + 5 = -\frac{2z}{3} - 4 + \frac{3z}{4} + 2$

$z = -12$

④  $-4x + 5 - 3 - 8x = -9 + 3$

$x = \frac{2}{3}$

⑤  $-9 - 7 = -1 + 9y - 11y + 3 - 1 + 5y$

$y = -\frac{17}{3}$

⑥  $-4 + \frac{3x}{10} - \frac{3x}{5} = -8 - 9 + 2 - 3$

$x = 140$

⑦  $-3 + 10 = 1 - 2x - 9x - 4 + 5x$

$x = -\frac{5}{3}$

⑧  $-1 - 1 = -4 + 6 + 11y + 5 - 10 - 12y$

$y = -1$

⑨  $-\frac{5y}{9} + 3 - 2 - \frac{2y}{3} = 4 - 6$

$y = \frac{27}{11}$

⑩  $-3 + 5x + 4 - 2x - 3 - 8x = 9 - 4$

$x = -\frac{7}{5}$

⑪  $19 - 21 - 1 = 5y + 3y - 7y - 2 + 5$

$y = -6$

⑫  $-9 - 3 - \frac{z}{12} + \frac{z}{6} + 8 - 9 = -4 - 7$

$z = 24$

⑬  $4 + (-1) - 11 = 7x + (-2x) - 8 + x$

$x = 0$

⑭  $-10y + 4y - 2 + 3y + y = -6 + 13$

$y = -\frac{9}{2}$

⑮  $-3 - 4 - 1 + (-5) = -3 + 4z + 1 - 9z$

$z = \frac{11}{5}$

⑯  $1 - \frac{x}{3} - \frac{2x}{3} + \frac{x}{9} = 8 - 14$

$x = \frac{63}{8}$