

# 宮プリ 一次方程式特訓編 ⑪

名前\_\_\_\_\_

- 次の一次方程式を  $x$  について解け

(1)  $\frac{1}{2}x - 3 = 12$

(2)  $-\frac{1}{3}(9x + 24) + 6(\frac{1}{3}x - 1) = \frac{1}{4}(16x + 8) + 3x - 1$

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

(4)  $2x = 1$

(5)  $\frac{1}{6} - \frac{9}{8}x = \frac{3}{4}x - \frac{1}{2}$

(6)  $4x = -16$

(7)  $7x - 3 = 9 + 4x$

(8)  $52x + 1 = 34x$

(9)  $\frac{x}{6} = \frac{3-x}{4}$

(10)  $-3x = -27$

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(1)  $2 + \frac{3}{4}x = \frac{5}{6}x$

(2)  $\frac{2}{3}x + \frac{3}{4} = \frac{1}{2} - \frac{1}{2}x$

(3)  $\frac{1}{2}x - 1 = \frac{1}{3}x + \frac{5}{2}$

(4)  $2x + 15 = -x$

(5)  $14 - 15x = 8 - 13x$

(6)  $3(x - 1) - 2(x + 3) = 6 - (2x + 3)$

(7)  $\frac{1}{2}x - \frac{1}{4} = \frac{3}{4}x$

(8)  $3x = 15$

(9)  $3x = 18 - 5x$

(10)  $14 + 9x = -4$

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(1)  $3x - 7 = -2x + 9$

(2)  $x + 3 = -8$

(3)  $\frac{7x+8}{12} = \frac{5x-9}{8}$

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

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

(6)  $4x - 7 = 8$

(7)  $1.7x - 0.7 = 1.6x - 0.5$

(8)  $x - 4 = 7$

(9)  $0.4x + 0.6 = 0.2$

(10)  $\frac{6}{5}x + \frac{5}{2} = -\frac{3}{10}x - 2$

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(1)  $11 - \frac{4}{5}x = \frac{2}{3}x$

(2)  $1.12 - 0.67x = 0.06 - 1.2x$

(3)  $4x + 7 = x - 11$

(4)  $\frac{2}{3}x + \frac{2}{9} = 2 - \frac{2}{9}x$

(5)  $2(3x - 5) = 3(x + 2) + 4(2x - 1)$

(6)  $2 + 3x = x + 14$

(7)  $3.3x + 1.4 = 0.6x - 1.3$

(8)  $0.6x + 0.4(3x - 2) = 4.6$

(9)  $0.1x + 0.3 = 1.8$

(10)  $x - 8 = -3$

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(1)  $-3(4 - x) = x$

(2)  $5 - x = 4$

(3)  $\frac{5x+4}{6} = \frac{3}{4}x + 1$

(4)  $1.2x + 1.2 = 0.7x - 1.3$

(5)  $2x = x - 11$

(6)  $\frac{1}{2}(4x - 8) = 5x + 2$

(7)  $\frac{1}{2}x - \frac{4}{5} = \frac{4}{7}x + \frac{3}{10}$

(8)  $5 - x = 3x + 13$

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

(10)  $8x = 2x + 9$

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(1)  $\frac{3}{4}x - 1 = 2$

(2)  $7x + 5 = 11$

(3)  $7x - 8 = 4(4 + x)$

(4)  $\frac{x}{8} - 2 = \frac{9-x}{6}$

(5)  $-\frac{7}{9}x = \frac{28}{3}$

(6)  $1.9x + 0.8 = 4x - 2.7$

(7)  $-\frac{3}{4}x = 9$

(8)  $4x + 1 = -11$

(9)  $0.38 - 0.18x = 0.2$

(10)  $\frac{1}{2}x = \frac{5}{4} - x$

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(1)  $\frac{2}{3}(9 - 6x) - 4(x + \frac{1}{2}) = -\frac{3}{2}(8x - 12)$

(2)  $4 - x = \frac{2x+7}{5}$

(3)  $0.5(x - 9) = -1.3x$

(4)  $23x = -12x - 1$

(5)  $2x - 1 = \frac{5x+11}{8}$

(6)  $5 + 3x = 4$

(7)  $-4x + 5 = -11$

(8)  $6(1 - x) = -x + 11$

(9)  $1.1x + 0.6 = 0.85x - 1.15$

(10)  $13 + 4x = 25$

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(1)  $8 - 5x = -12$

(2)  $2(x + 4) = 5(x - 1)$

(3)  $2x + 1 = x + 7$

(4)  $34x + 12 = 74$

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

(6)  $6 + x = -5$

(7)  $16 - 3x = 4x - 2(5x + 1)$

(8)  $0.01x + 0.98 = 0.5x$

(9)  $\frac{3}{4}x - 1 = 5$

(10)  $4x + 1 = 3(2x - 9) + 4$



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(1)  $5(x + 1) = 3x - 8$

(2)  $\frac{x-1}{9} = \frac{1-2x}{6}$

(3)  $1.7 - 0.31x = 0.19x + 0.2$

(4)  $34x = 12$

(5)  $2(3x - 2) = 5x - 4$

(6)  $3x - 2 = -17$

(7)  $56 - 23x = 43$

(8)  $2(4x + \frac{1}{2}) = \frac{3}{4}(8x - 12)$

(9)  $0.1x - 0.3 = 0.2x + 1.2$

(10)  $3(x - 2) = x + 12$

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(1)  $0.1x = 0.5x - 1.6$

(2)  $\frac{3}{4}x = \frac{2x-5}{3}$

(3)  $-32x = -8$

(4)  $\frac{2}{3}x + \frac{2}{9} = \frac{1}{2}x + 1$

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

(6)  $-\frac{7x+8}{9} = \frac{10-x}{6} - 2x + \frac{4}{3}$

(7)  $2(x+1) = 3x+4$

(8)  $11 - 4x = 2x - 9$

(9)  $x + 2 = 2$

(10)  $\frac{1}{3}x - \frac{5}{8} = \frac{3}{4}x - \frac{3}{8}$