

方程式の計算（移項）

例題 次の方程式を解け。

(1) $4x+8=-12$

答

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

答

(3) $-6-x=6$

答

練習A 次の方程式を解け。

(1) $6x-10=8$

答

(4) $-8x-5=7$

答

(7) $12+4x=12$

答

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

答

(5) $24-6x=0$

答

(8) $-5x-12=3$

答

(3) $-x-4=4$

答

(6) $18-x=11$

答

(9) $-7-x=7$

答

練習B 次の方程式を解け。

(1) $5x+9=-6$

答

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

答

(3) $-8x+8=0$

答

(4) $7-9x=4$

答

(5) $9-12x=15$

答

(6) $-30+6x=0$

答

(7) $8+2x=9$

答

(8) $18-24x=0$

答

(9) $x+13=13$

答

(10) $3x-15=-16$

答

(11) $24-2x=5$

答

(12) $-6x-5=-14$

答

方程式の計算（移項）

例題 次の方程式を解け。

(1) $4x+8=-12$

★
 $4x = -12 - 8$
 $4x = -20$
 $\frac{1}{4} \cancel{4}x = \frac{-5 \cancel{20}}{\cancel{4}_1}$
 $x = -5$

答 $x = -5$

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

★
 $3x = -4 + 7$
 $3x = 3$
 $\frac{1}{3} \cancel{3}x = \frac{1 \cancel{3}}{\cancel{3}_1}$
 $x = 1$

答 $x = 1$

(3) $-6-x=6$

★
 $-x = 6 + 6$
 $-x = 12$
 $x = -12$

答 $x = -12$

練習A 次の方程式を解け。

(1) $6x-10=8$

★
 $6x = 8 + 10$
 $6x = 18$
 $\frac{1}{6} \cancel{6}x = \frac{3 \cancel{18}}{\cancel{6}_1}$
 $x = 3$

答 $x = 3$

(4) $-8x-5=7$

★
 $-8x = 5 + 15$
 $-8x = 20$
 $\frac{-1}{8} \cancel{8}x = \frac{5 \cancel{20}}{-8_2}$
 $x = -\frac{3}{2}$

答 $x = -\frac{3}{2}$

(7) $12+4x=12$

★
 $4x = 12 - 12$
 $4x = 0$
 $\frac{1}{4} \cancel{4}x = \frac{0}{\cancel{4}_1}$
 $x = 0$

答 $x = 0$

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

★
 $9x = -7 - 2$
 $9x = -9$
 $\frac{1}{9} \cancel{9}x = \frac{-1 \cancel{9}}{\cancel{9}_1}$
 $x = -1$

答 $x = -1$

(5) $24-6x=0$

★
 $-6x = -24$
 $\frac{-1}{6} \cancel{6}x = \frac{-4 \cancel{24}}{-6_1}$
 $x = 4$

答 $x = 4$

(8) $-5x-12=3$

★
 $-5x = 3 + 12$
 $-5x = 15$
 $\frac{-1}{5} \cancel{5}x = \frac{3 \cancel{15}}{-5_1}$
 $x = -3$

答 $x = -3$

(3) $-x-4=4$

★
 $-x = 4 + 4$
 $-x = 8$
 $x = -8$

答 $x = -8$

(6) $18-x=11$

★
 $-x = 11 - 18$
 $-x = -7$
 $x = 7$

答 $x = 7$

(9) $-7-x=7$

★
 $-x = 7 + 7$
 $-x = 14$
 $x = -14$

答 $x = -14$

練習B 次の方程式を解け。

(1) $5x+9=-6$

★
 $5x = -6 - 9$
 $5x = -15$
 $\frac{^1 5x}{5_1} = \frac{-^3 15}{5_1}$
 $x = -3$

答 $x = -3$

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

★
 $4x = -5 - 3$
 $4x = -8$
 $\frac{^1 4x}{4_1} = \frac{-^2 8}{4_1}$
 $x = -2$

答 $x = -2$

(3) $-8x+8=0$

★
 $-8x = -8$
 $\frac{-^1 8x}{-8_1} = \frac{-^1 8}{-8_1}$
 $x = 1$

答 $x = 1$

(4) $7-9x=4$

★
 $-9x = 4 - 7$
 $-9x = -3$
 $\frac{-^1 9x}{-9_1} = \frac{-^1 3}{-9_3}$
 $x = \frac{1}{3}$

答 $x = \frac{1}{3}$

(5) $9-12x=15$

★
 $-12x = 15 - 9$
 $-12x = 6$
 $\frac{-^1 12x}{-12_1} = \frac{^1 6}{-12_2}$
 $x = -\frac{1}{2}$

答 $x = -\frac{1}{2}$

(6) $-30+6x=0$

★
 $6x = 30$
 $\frac{^1 6x}{6_1} = \frac{^5 30}{6_1}$
 $x = 5$

答 $x = 5$

(7) $8+2x=9$

★
 $2x = 9 - 8$
 $2x = 1$
 $\frac{^1 2x}{2_1} = \frac{1}{2}$
 $x = \frac{1}{2}$

答 $x = \frac{1}{2}$

(8) $18-24x=0$

★
 $-24x = -18$
 $\frac{-^1 24x}{-24_1} = \frac{-^3 18}{-24_4}$
 $x = \frac{3}{4}$

答 $x = \frac{3}{4}$

(9) $x+13=13$

★
 $x = 13 - 13$
 $x = 0$

答 $x = 0$

(10) $3x-15=-16$

★
 $3x = -16 + 15$
 $3x = -1$
 $\frac{^1 3x}{3_1} = \frac{-1}{3}$
 $x = -\frac{1}{3}$

答 $x = -\frac{1}{3}$

(11) $24-2x=5$

★
 $-2x = 5 - 24$
 $-2x = -19$
 $\frac{-^1 2x}{-2_1} = \frac{19}{-2}$
 $x = \frac{19}{2}$

答 $x = \frac{19}{2}$

(12) $-6x-5=-14$

★
 $-6x = -14 + 5$
 $-6x = -9$
 $\frac{-^1 6x}{-6_1} = \frac{-^3 9}{-6_2}$
 $x = \frac{3}{2}$

答 $x = \frac{3}{2}$