

方程式の計算(分母をはらう解き方中心)

氏名 ()

(1) $7x = -42$

(2) $5 + 4x = 6x - 5$

(3) $3x - 7(x - 1) = 5$

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

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

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

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

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

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

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(1) $7x = -42$

$x = -6$

(2) $5 + 4x = 6x - 5$

$x = 5$

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

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

$x = 2$

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

$x = \frac{8}{5}$

(6) $\frac{1}{3}x - \frac{1}{3} = \frac{2}{5}x + 2$
 $5x - 5 = 6x + 30$
 $-x = 35$
 $x = -35$

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

$5x - 20 = -4x$
 $9x = 20$
 $x = \frac{20}{9}$

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

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

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