

◇ かっこを含む方程式

(R)

先に分配法則をやる!!

(例) ① $6x - 2(x+3) = 10.$
 $6x - 2x - 6 = 10.$ ① 分配法則
 $6x - 2x = 10 + 6.$ ② 移項
 $4x = 16$
 $x = 16 \times \frac{1}{4}$ ③ 係数を逆数に!
 $x = 4.$

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

◇ 小数を含む方程式

(R)

整数に直してから解く!!

(例) ① $0.4x + 2.6 = 0.6x + 2.$ 小数を整数に直す
 $10(0.4x + 2.6) = 10(0.6x + 2.)$
 $4x + 26 = 6x + 20.$
 $4x - 6x = 20 - 26.$
 $-2x = -6.$
 $x = 3.$

$$\begin{aligned} \textcircled{2} \quad 0.3(6x-2) &= 1.2x. \\ 10 \times 0.3(6x-2) &= 10 \times 1.2x. \quad \downarrow \text{小数を整数に直す。} \\ 3(6x-2) &= 12x. \\ 18x - 6 &= 12x. \\ 18x - 12x &= 6. \\ 6x &= 6. \\ x &= 1. \end{aligned}$$