

対策(5)

$$1(1) -\frac{1}{4} + \frac{2}{5}$$

$$= -\frac{5}{20} + \frac{8}{20}$$

$$= \frac{3}{20}$$

$$(2) 2 - 6 \times (3 - 5)$$

カッコの中から

$$= 2 - 6 \times (-2)$$

かけ算が先

$$= 2 + 12$$

$$= 14$$

$$(3) 4(x-3) - \frac{2}{3}(6x+15)$$

分配

$$= 4x - 12 - \frac{2}{3} \times 6x - \frac{2}{3} \times 15$$

約分

$$= 4x - 12 - 4x - 10$$

$$= -22$$

$$(4) -5a + 2 - (a - 5)$$

$$= -5a + 2 - a + 5$$

$$= -6a + 7$$

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

$$3x - x = -5 - 1$$

$$2x = -6$$

$$x = -3$$

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

$$3x - 6 = 5x + 2$$

$$3x - 5x = 2 + 6$$

$$-2x = 8$$

$$x = -4$$

$$(3) 12 \left(5 - \frac{x+3}{4} \right) = \frac{x+4}{3} \times 12$$

※分母の最小公倍数を両辺にかける

$$12 \times 5 - 12 \times \frac{x+3}{4} = \frac{x+4}{3} \times 12$$

約分

$$60 - 3(x+3) = 4(x+4)$$

※カッコをはずす!

$$60 - 3x - 9 = 4x + 16$$

$$-3x - 4x = 16 - 60 + 9$$

$$-7x = -35$$

$$x = 5$$

$$(4) 10(1.2x - 3) = 0.2(x - 5) \times 10$$

$$12x - 30 = 2(x - 5)$$

$$12x - 30 = 2x - 10$$

$$12x - 2x = -10 + 30$$

$$10x = 20$$

$$x = 2$$