1次方程式 100本ノック

名前（　　　　　　　　　　　　）

$\boxed{1}$ 次の方程式を等式の性質を使って解きなさい。

(1) $x - 3 = 23$

(2) $x + 15 = 11$

(3) $7 + x = 30$

(4) $-5 + x = 3$

(5) $4x = -12$

(6) $-7x = -35$

(7) $\dfrac{x}{3} = 5$

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

(9) $\dfrac{3}{5}x = -6$

(10) $x + 1.6 = -1.9$

(11) $0.2x = -12$

(12) $\dfrac{1}{4} + x = -\dfrac{1}{2}$

(16) $-4x + 19 = 11$

(17) $10x = 6x - 8$

(18) $3x = 5x - 15$

(19) $4x = 50 - 6x$

(20) $-8x = 3 - 5x$

(21) $9x + 2 = 4x + 17$

(22) $5x - 8 = -17 - 4x$

(23) $1 - x = 5x - 2$

(24) $12x - 3 = 7x - 3$

(25) $4x + 1 = 3(x + 2)$

(26) $7(x - 4) = 3x + 8$

(27) $-4(x + 3) = 5(x - 6)$

(28) $5 - 2(7x - 2) = 1$

(29) $\dfrac{x + 1}{3} = \dfrac{1}{4}x + 1$

(30) $\dfrac{9x - 5}{6} = \dfrac{8 + x}{3}$

$\boxed{2}$ 次の方程式を解きなさい。

(13) $5x + 8 = 23$

(14) $6x - 5 = -17$

(15) $-2x + 3 = 5$

(31) $x + \dfrac{x - 1}{3} = 3$

(32) $0.3x + 2 = 0.1x + 1.6$

(33) $800x = 2400(x - 2)$

(34) $0.5x - 2.5 = -x + 2$

(35) $0.2x - 0.03 = 0.3x + 0.07$

(36) $3x = 21$

(52) $0.1x = 0.4(x - 2) - 0.1$

(53) $\dfrac{1}{4}x - 1 = \dfrac{1}{2}x$

(54) $\dfrac{2x - 7}{3} = \dfrac{x + 1}{2}$

(37) $17x = 17$

(38) $\dfrac{4}{5}x = 8$

(39) $18 = -2x$

(55) $5 + \dfrac{3}{100}x = \dfrac{7}{100}x$

(56) $x : 21 = 3 : 7$

(57) $15 : 6 = x : 8$

(40) $6x - 11 = 7$

(41) $6 - 2x = 12$

(42) $4x - 9 = 3x - 15$

(58) $9 : 4 = 2 : x$

(59) $(x + 2) : x = 5 : 3$

(60) $3 : 12 = x : 36$

(43) $x - 17 = -7 - 3x$

(44) $9x - 70 = 6x + 80$

(45) $8 + 4x = 10x + 16$

(61) $12 : x = 4 : 7$

(62) $x : \dfrac{1}{2} = 4 : \dfrac{15}{2}$

(63) $x : 3 = (x + 3) : 4$

(46) $3x - 1200 = 1200 + 9x$

(47) $-18 + 5x = 12x - 18$

(48) $2(x + 1) = x + 3$

(64) $x - 5 = 8$

(65) $x - 7 = -5$

(66) $x + 13 = 4$

(49) $3(x - 8) = 9(4 - x)$

(50) $-3(2x - 4) = 5(x - 2)$

(51) $80 - 30(x - 5) = 110$

(67) $x + 6 = -4$

(68) $3x = -12$

(69) $5x = 35$

名前（　　　　　　　　　　　　　　　　）

(70) $\dfrac{1}{3}x = \dfrac{1}{2}$

(71) $\dfrac{2}{3}x = -6$

(72) $4x + 10 = 2$

(88) $3000 - 11x = 2400 - 5x$

(89) $230 + 47x = 610 + 28x$

(90) $5(x - 8) = x$

(73) $2x - 3 = 5$

(74) $5x = x - 4$

(75) $10x = 7x + 6$

(91) $x - 2(3x + 1) = 18$

(92) $3(3x + 2) = -6(2 - x)$

(93) $4(t - 1) + 3(3t + 5) = 2t$

(76) $3x + 5 = x + 11$

(77) $4(x - 3) = 3x - 2$

(78) $x - 1 = \dfrac{x - 1}{3}$

(94) $\dfrac{2}{5}x - 3 = \dfrac{3}{10}x + \dfrac{1}{2}$

(95) $\dfrac{3y - 1}{4} = \dfrac{2y - 3}{3}$

(96) $0.3(x + 1) = 0.2x$

(79) $0.4x + 0.7 = 0.1x - 0.2$

(80) $x : 4 = 6 : 3$

(81) $2 : x = 4 : 8$

(97) $1.2x + 3.1 = 0.8x + 0.3$

(98) $600x + 2400 = 1000x$

(99) $30(-x + 2) + 120 = 240$

(82) $x : (x + 3) = 3 : 4$

(83) $3x : (x + 2) = 9 : 5$

(84) $4x + 2 = 5x - 9$

(100) $x : 15 = 3 : 5$

(101) $12 : 9 = x : 12$

(102) $7.2 : 2.4 = 60 : x$

(85) $33 - x = x + 49$

(86) $-5 + 19x = 4x - 5$

(87) $24x + 8 = 9x - 22$

(103) $4 : x = \dfrac{1}{2} : \dfrac{5}{3}$

(104) $x : (10 - x) = 2 : 3$

(105) $(x - 4) : 3 = x : 4$