

$$\begin{array}{r}
 \underline{1.} \\
 5x - 7 = 7x + 5 \quad | -5x \\
 -7 = 2x + 5 \quad | -5 \\
 -12 = 2x \quad | :2 \\
 \underline{\underline{-6 = x}} \quad \uparrow
 \end{array}$$

$$\begin{array}{r}
 \underline{2.} \\
 10 - 2x = 4 - 10x \quad | +10x \\
 10 + 8x = 4 \quad | -10 \\
 8x = -6 \quad | :8 \\
 \underline{\underline{x = -\frac{3}{4}}} = -\frac{2}{4} \quad \uparrow
 \end{array}$$

$$\begin{array}{r}
 \underline{3.} \\
 6x + 4 = 7 - 3x \quad | +3x \\
 9x + 4 = 7 \quad | -4 \\
 9x = 3 \quad | :9 \\
 \underline{\underline{x = \frac{1}{3}}} = \frac{1}{3} \quad \uparrow
 \end{array}$$

$$\begin{array}{r}
 \underline{4.} \\
 5 + 13 = x - 4x \\
 18 = -3x \quad | +3x \\
 3x + 18 = 0 \quad | -18 \\
 3x = -18 \quad | :3 \\
 \underline{\underline{x = -6}} \quad \uparrow
 \end{array}$$

$$\begin{array}{r}
 \underline{5.} \\
 x - 9 = 7 - x \quad | +x \\
 2x - 9 = 7 \quad | +9 \\
 2x = 16 \quad | :2 \\
 \underline{\underline{x = 8}} \quad \uparrow
 \end{array}$$

$$\underline{6.} \quad 0 = 12 + 8x \quad | -12$$

$$-12 = 8x \quad | :8$$

(1)

$$\underline{\underline{-1,5 = x}} \quad \uparrow$$

$$\underline{7.} \quad 5x - 8x = 13 - 9$$

$$-3x = 9 \quad | +3x$$

$$0 = 3x + 9 \quad | -9$$

(1)

$$-9 = 3x \quad | :3$$

$$\underline{\underline{-3 = x}} \quad \uparrow$$

$$\underline{8.} \quad 1,5x + 2 = -16 \quad | -2$$

$$1,5x = -18 \quad | :1,5$$

(1)

$$\underline{\underline{x = -12}} \quad \uparrow$$

$$\underline{9.} \quad -4x - 15 = 0 \quad | +4x$$

$$-15 = 4x \quad | :4$$

(1)

$$\underline{\underline{-3,75 = x}} \quad \uparrow$$

$$\underline{10.} \quad 11 + 2x - 7 = 11x + 1 - 9x$$

$$2x + 4 = 2x + 1 \quad | -2x$$

(1)

$$\frac{4 = 1}{\underline{\underline{4 = \{3\}}} \quad \uparrow$$

$$\begin{array}{l}
 \underline{11.} \\
 2 + 0,1x = 5 - 0,2x \quad | +0,2x \\
 2 + 0,3x = 5 \quad | -2 \\
 0,3x = 3 \quad | :10 \\
 3x = 30 \quad | :3 \\
 \underline{\underline{x = 10}} \quad \uparrow
 \end{array}$$

$$\begin{array}{l}
 \underline{12.} \\
 4x + 1 - 3 = x - 2 + 3x \\
 4x - 2 = 4x - 2 \quad | -4x \\
 \underline{-2 = -2} \\
 \underline{\underline{L = G}} \quad \uparrow
 \end{array}$$

$$\begin{array}{l}
 \underline{13.} \\
 20 - 4x - 2x = 3x + x - 5 \\
 20 - 6x = 4x - 5 \quad | +6x \\
 20 = 10x - 5 \quad | +5 \\
 25 = 10x \quad | :10 \\
 \underline{\underline{2,5 = x}} \quad \uparrow
 \end{array}$$

$$\begin{array}{l}
 \underline{14.} \\
 12x + 13 - 14x = 15 - 16x + 17 \\
 -2x + 13 = 32 - 16x \quad | +16x \\
 14x + 13 = 32 \quad | -13 \\
 14x = 19 \quad | :14 \\
 \underline{\underline{x = \frac{19}{14}}} \quad \uparrow
 \end{array}$$

15.

$$6x + 4 - 0,5x = 12 + 8x$$

$$5,5x + 4 = 12 + 8x \quad | -5,5x$$

$$4 = 12 + 2,5x \quad | -12$$

$$-8 = 2,5x \quad | \cdot 2$$

$$-16 = 5x \quad | : 5$$

$$\underline{\underline{-3,2 = x}} \quad \uparrow$$

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16.

$$24 + 36x = 15x - 18 \quad | -15x$$

$$24 + 21x = -18 \quad | -24$$

$$21x = -42 \quad | : 21$$

$$\underline{\underline{x = -2}} \quad \uparrow$$

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17.

$$-16 = 12 - 7x \quad | +7x$$

$$7x - 16 = 12 \quad | +16$$

$$7x = 28 \quad | : 7$$

$$\underline{\underline{x = 4}} \quad \uparrow$$

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18.

$$x + 2 - 3x = 4 - 5x + 6$$

$$-2x + 2 = 10 - 5x \quad | +5x$$

$$3x + 2 = 10 \quad | -2$$

$$3x = 8 \quad | : 3$$

$$\underline{\underline{x = \frac{8}{3}}} \quad \uparrow$$

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19.

$$1 = x - 2 + 2x$$

$$1 = 4x - 2$$

$$| + 2$$

$$3 = 4x$$

$$| : 4$$

①

$$\underline{\underline{0,75 = x}}$$

20.

$$17x = 17 - 17x$$

$$| + 17x$$

$$34x = 17$$

$$| : 34$$

①

$$\underline{\underline{x = \frac{17}{34} = \frac{1}{2}}}$$

20 Pkt