

$$\begin{array}{l} \underline{1.} \quad x + 5 = 5x + 1 \quad | -x \\ \quad \quad 5 = 4x + 1 \quad | -1 \\ \quad \quad 4 = 4x \quad | :4 \\ \quad \quad \underline{\underline{1 = x}} \end{array}$$

$$\begin{array}{l} \underline{2.} \quad 3x - 7 = x + 9 \quad | -x \\ \quad \quad 2x - 7 = 9 \quad | +7 \\ \quad \quad 2x = 16 \quad | :2 \\ \quad \quad \underline{\underline{x = 8}} \end{array}$$

$$\begin{array}{l} \underline{3.} \quad 10 + 4x = 5x - 26 \quad | -4x \\ \quad \quad 10 = x - 26 \quad | +26 \\ \quad \quad \underline{\underline{36 = x}} \end{array}$$

$$\begin{array}{l} \underline{4.} \quad 6x + 20 = 20x - 8 \quad | -6x \\ \quad \quad 20 = 14x - 8 \quad | +8 \\ \quad \quad 28 = 14x \quad | :14 \\ \quad \quad \underline{\underline{2 = x}} \end{array}$$

$$\begin{array}{l} \underline{5.} \quad 3x - 18 = 18 \quad | +18 \\ \quad \quad 3x = 36 \quad | :3 \\ \quad \quad \underline{\underline{x = 12}} \end{array}$$

6.

$$0 = 5x - 30 \quad | + 30$$

$$30 = 5x \quad | : 5$$

$$\underline{\underline{6 = x}}$$

7.

$$13 - 3x = 4 \quad | + 3x$$

$$13 = 3x + 4 \quad | - 4$$

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

$$\underline{\underline{3 = x}}$$

8.

$$22x - 36 = 16x + 42 \quad | - 16x$$

$$6x - 36 = 42 \quad | + 36$$

$$6x = 78 \quad | : 6$$

$$\underline{\underline{x = 13}}$$

9.

$$8 + 6x = 20 + 2x \quad | - 2x$$

$$8 + 4x = 20 \quad | - 8$$

$$4x = 12 \quad | : 4$$

$$\underline{\underline{x = 3}}$$

10.

$$24 + 18x = 12x + 72 \quad | - 12x$$

$$24 + 6x = 72 \quad | - 24$$

$$6x = 48 \quad | : 6$$

$$\underline{\underline{x = 8}}$$

11.

$$12x - 5 = 5x + 16 \quad | -5x$$

$$7x - 5 = 16 \quad | +5$$

$$7x = 21 \quad | :7$$

$$\underline{\underline{x = 3}}$$

12.

$$7x - 7 = 3x + 5 \quad | -3x$$

$$4x - 7 = 5 \quad | +7$$

$$4x = 12 \quad | :4$$

$$\underline{\underline{x = 3}}$$

13.

$$8x - 4x = 12 + 20$$

$$4x = 32 \quad | :4$$

$$\underline{\underline{x = 8}}$$

14.

$$6x + 24 = 17x - 8x$$

$$6x + 24 = 9x \quad | -6x$$

$$24 = 3x \quad | :3$$

$$\underline{\underline{8 = x}}$$

15.

$$3x + 18 = 18 - 3x \quad | +3x$$

$$6x + 18 = 18 \quad | -18$$

$$6x = 0 \quad | :6$$

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

16.

$$4x + x = 5x + 30$$

$$5x = 5x + 30 \quad | -5x$$

$$\underline{0 = 30}$$

$$\underline{\underline{L = \{\}}}$$
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17.

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

$$x + 6 = 3x + 2 \quad | -x$$

$$6 = 2x + 2 \quad | -2$$

$$4 = 2x \quad | :2$$

$$\underline{\underline{2 = x}}$$

18.

$$36 + 32x = 36x - 32 \quad | -32x$$

$$36 = 4x - 32 \quad | +32$$

$$68 = 4x \quad | :4$$

$$\underline{\underline{17 = x}}$$

19.

$$x - 11 = 1 - x \quad | +x$$

$$2x - 11 = 1 \quad | +11$$

$$2x = 12 \quad | :2$$

$$\underline{\underline{x = 6}}$$

20.

$$x + 11 = 1 + x \quad | -x$$

$$\underline{11 = 1}$$

$$\underline{\underline{L = \{\}}}$$
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