

Simplify the expression.

$$-m - 17 + 14 + 12m$$

1

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Simplify the expression.

$$-6 + 5\frac{7}{10}c - 2\frac{3}{5}c + 8$$

2

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Simplify the expression.

$$-17.8a - 2.4a + 25 - 19.5$$

3

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Simplify the expression.

$$-3 + 13d - 6 - 12\frac{3}{4}d + 9$$

4

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Simplify the expression.

$$-g + 9(g - 2) - 7$$

5

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Simplify the expression.

$$\frac{2}{5}(-60d + 35) + 5d$$

6

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Simplify the expression.

$$-10 - 2.5(-5h + 6)$$

7

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Simplify the expression.

$$\frac{1}{4}(3h + 6) + \frac{1}{2}h$$

8

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Solve the equation.

$$-15 = 10x - 40x$$

9

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Solve the equation.

$$\frac{6}{7}x + 15 - 8 = 31$$

10

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Solve the equation.

$$0.5x - 3x + 5 = 0$$

11

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Solve the equation.

$$\frac{3}{4}x + 2 - \frac{1}{3}x = 12$$

12

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Solve the equation.

$$0.25(x - 12) - 6 = -4$$

13

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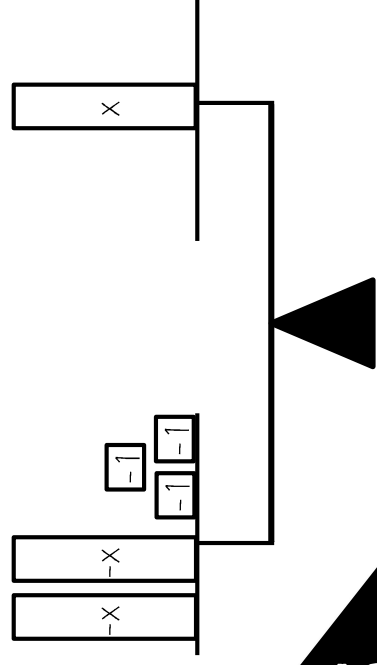
Solve the equation.

$$\frac{1}{3}(9x - 12) - 5 = 3$$

14

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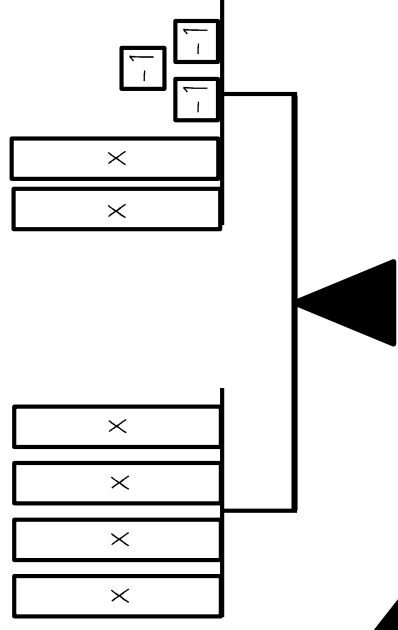
Write and solve the equation modeled below.



15

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Write and solve the equation modeled below.



16

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Solve the equation.

$$5x + 1 = x - 15$$

17

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Solve the equation.

$$5(3x + 2) = 8(2x - 4)$$

18

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Explain the mistake made in the work shown below.

$$\begin{aligned} 8x + 22 &= 2x + 42 \\ 10x + 22 &= 42 \\ 10x &= 20 \\ x &= 2 \end{aligned}$$

19

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Explain the mistake made in the work shown below.

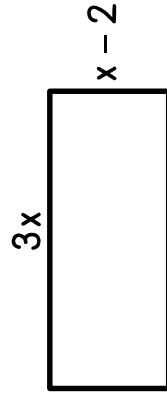
$$\begin{aligned} 9(2x - 1) &= -3(x - 2) \\ 18x - 9 &= -3x - 6 \\ 21x - 9 &= -6 \\ 21x &= 3 \\ x &= 3/21 \end{aligned}$$

20

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The perimeters of the square and the rectangle below are the same. Write and solve an equation to find the value of x .

Area =
121 in.²



21

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Solve the equation.

$$10 + \frac{3}{4}x = \frac{1}{4}x + 13$$

22

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Solve the equation.

$$12(x - 3) = 10 + 2(6x - 10)$$

23

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Jill planted two flowers in her garden. The first flower is 2 inches tall, and it is growing 2.25 inches each week. The second plant is 5.75 inches tall, and it is growing 1.5 inches each week. How many weeks will it be until the two plants are the same height?

24

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Solve the equation.

$$-28 + 7x - 12 = 4.8x + 26$$

25

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Two times a number plus three equals one half of the number plus 30. What is the number?

26

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21 less than four times a number is the same as six times the number plus 11. What is the number?

27

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Solve the equation.

$$5x + 2 = \frac{1}{2}(10x + 8) - 2$$

28

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TASK CARDS: RECORDING SHEET

Show your work for each problem in the correct box.

1	2	3	4
5	6	7	8
9	10	11	12

13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28