

THE REST OF THE JEOPARDY!

Directions: Answer each question in the space provided. Show your work, as expected. Begin each answer in the form of a question; failure to do so will mean no credit for that exercise.

1. The sum of the like terms from simplifying the following expression: $-6(4-2x)+3x$

$$-24 + 12x + 3x$$

$$-24 + 15x$$

what is 15x?

2. The "lowest value term" you would choose to "add its opposite" to both sides to continue solving the following equation: $2n-13=5-4(6n+2)$

$$2n-13 \neq 5-24n-8$$

what is -24n?

3. The next step after applying the Distributive Property to continue solving the following multi-step equation: $-10y+18=-3(5y-7)+5y$

$$-15y + 35 + 5y$$

what is collect like terms?

4. The value of the unknown that satisfies the following equation: $6r-2(2-r)=4(2r-1)$

$$6r - 4 + 2r = 8r - 4$$

$$8r - 4 = 8r - 4$$

what is Identity, or all real numbers

5. The value of the unknown that satisfies the following equation: $3(1-n)+5n=2(n+1)$

$$3 - 3n + 5n = 2n + 2$$

$$3 + 2n = 2n + 2$$

$$\begin{array}{r} -2n \quad -2n \\ \hline 3 \neq 2 \end{array}$$

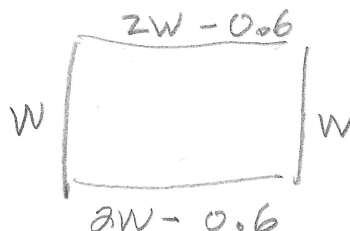
$\{\emptyset\}$: what is the null set

6. The dimensions and area of a flag whose length is 0.6cm less than twice its width, and whose perimeter is 25.2cm more than the width. (Continue on back of page if needed).

$$2w + 2(2w - 0.6) = w + 25.2$$

$$2w + 4w - 1.2 = w + 25.2$$

$$6w - 1.2 = w + 25.2$$



$$5w - 1.2 = 25.2$$

$$5w = 26.4$$

$$w = \frac{26.4}{5}$$

$$w = 5.28 \text{ cm}$$

$$l = 2(5.28) - 0.6$$

$$= 10.56 - 0.6$$

$$10.56$$

$$- 0.60$$

$$l = 9.96$$

what are $w = 5.28 \text{ cm}$
 $l = 9.96 \text{ cm}$