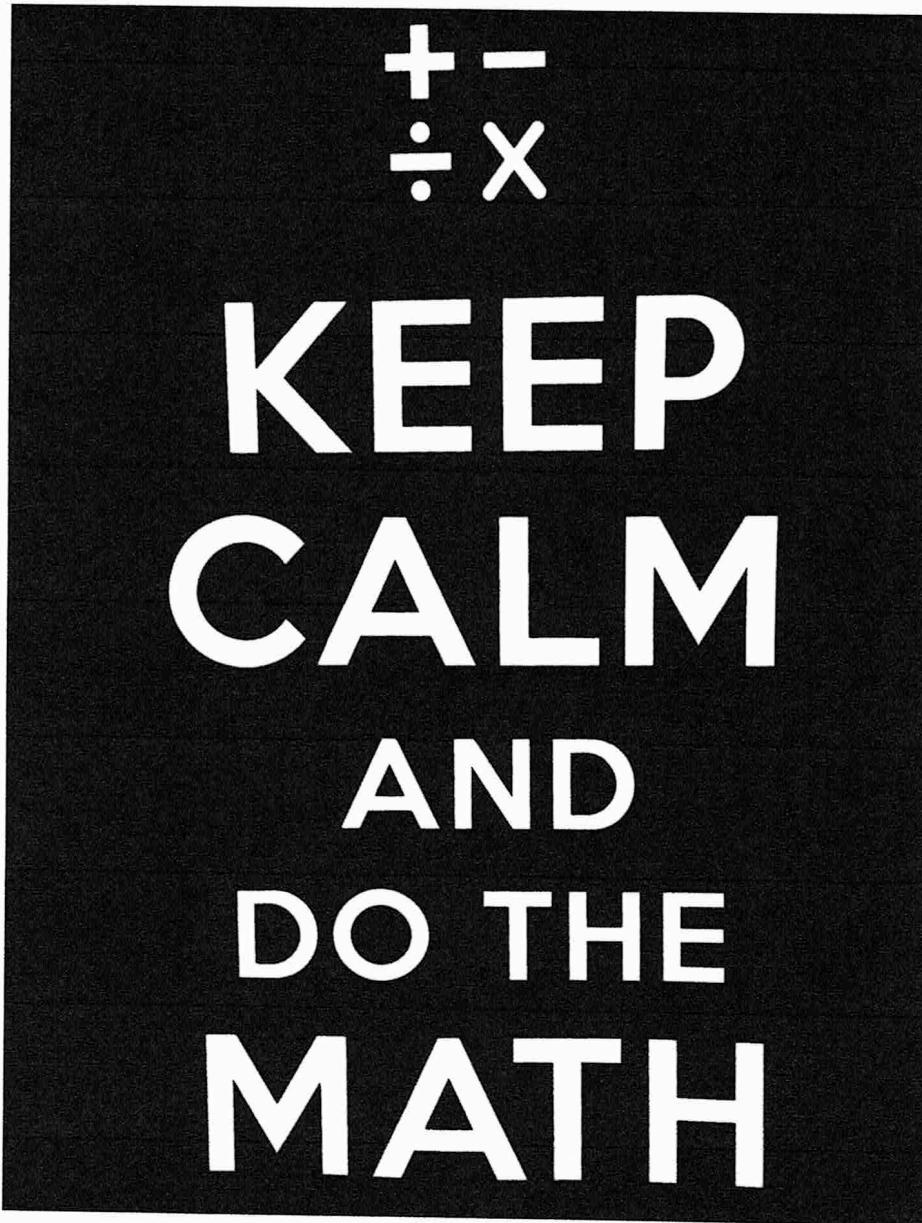


NOMBRE: _____

P.A.T Prep

The Distributive Property



St. Brendan School
Mr. Martinez

THE DISTRIBUTIVE PROPERTY

- WHEN? → ANYTIME YOU SEE number ()
 - BEDMAS SAYS YOU MUST DO THIS FIRST
 - Distributive Means to **Multiply!**
- OR
- $$3(x+2) = 3x + 3 \cdot 2 \\ = 3x + 6$$
- $$-(x-2) = -x + 2$$

5. ✓ Which of the following expressions is equivalent to $-(3x-2)$?

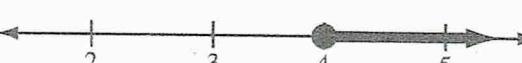
- A. $-3x + 2$
 B. $-3x - 2$
 C. $3x + 2$
 D. $3x - 2$

Same
Equal

31. ✓ The value of x in the equation $2(x+5) - 12 = 50$ is

A. 24
 B. 26
 C. 32
 D. 36

31. ✓ Which number line shown below represents the solution to $4(2x-1) > 4x+8$?

- A. 
- B. 
- C. 
- D. 

15. ✓ The value of x in the equation $3(2x-1) = \frac{1}{2}(x+6)$ is

- A. $\frac{8}{11}$
 B. $\frac{12}{11}$
 C. $\frac{14}{11}$
 D. $\frac{18}{11}$

Jim simplifies the expression $\frac{5(x+2) - (8-x)}{2}$ as shown below.

Step 1 $\frac{5x + 10 - 8 - x}{2}$

Step 2 $\frac{4x + 2}{2}$

Step 3 $\frac{4x}{2} + \frac{2}{2}$

Step 4 $2x + 1$

27. In which step did Jim make an error when simplifying the expression?

- A. Step 1
 B. Step 2
 C. Step 3
 D. Step 4