Name: _____ Date: _____ Section 4-2B

4-2B Solving One-Step Equations by Multiplying & Dividing

To Solve Equations:

1. Use inverse operations to isolate the variable.
2. Whatever you do to one side of the equation, you must do to the other side.
3. Always check & graph your answer!!!

Note: CANNOT CROSS CANCEL ACROSS THE EQUAL SIGN!!!

REMEMBER: Integer Rules (Multiplying and Dividing)

1. Same signs → Positive Answer
2. Different signs → Negative Answer

Ex. 1: Solve each equation. Check and graph your solution on a number line.

A. $\frac{6x}{6} = \frac{18}{6}$

$x = 3$

B. $\frac{-8y}{-8} = \frac{24}{-8}$

$y = -3$

C. $\frac{-56}{-7} = \frac{-7x}{-7}$

$8 = x$

$x = 8$

D. $\left(\frac{p}{9}\right)^9 = (8)^9$

$p = 72$

E. $\left(\frac{x}{-2}\right)^{(-2)} = (-3)^{(-2)}$

$x = 6$

F. $(-12)^4 = \left(\frac{x}{4}\right)^4$

$-48 = x$

$x = -48$

HW: 4-2B Worksheet