

## 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.

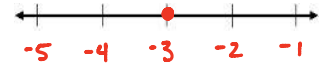
A.  $\frac{6x}{6} = \frac{18}{6}$

$x = 3$



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

$y = -3$



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

$8 = x$

$x = 8$



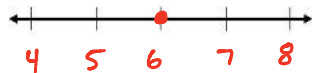
D.  $\frac{9p}{9} = (8)^9$

$p = 72$



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

$x = 6$



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

$-48 = x$

$x = -48$

