$\qquad$

## Solving One-Step Equations - Multiplication \& Division (Sol 6.18 \& 7.14)

- Remember: The GOAL of solving equations: $\qquad$
o To do this you need to $\qquad$ the variable, using $\qquad$


## State the INVERSE OPERATIONS

o Add 23
o Subtract 18 $\qquad$
o Multiply by -15 $\qquad$
o Divide by 8 $\qquad$

Example 1: $\quad$ Solve $8 x=56$.
Solution:
$8 x=56$


| Where is the variable? |
| :--- |
| What is done to it? |
| How can I undo that? |
| Apply to both sides. |
| Solve/Simplify |

Example 2: Solve $\frac{a}{5}=12$
Solution:

$$
\frac{a}{5}=12
$$


$a=$ $\qquad$

Check:

$$
\begin{gathered}
\frac{a}{5}=12 \\
\frac{(\quad)}{5}=12 \\
=12
\end{gathered}
$$

## Let's Practice!!

Solve each equation. Check your solution.

| Solve | Check here: |  | Solve |
| :---: | :---: | :---: | :---: |
| $3 a=18$ |  | $\frac{b}{4}=12$ |  |
| $4=\frac{f}{3}$ |  | $48=6 y$ |  |
| $121=11 a$ |  | $\frac{g}{7}=7$ |  |
| $9 x=45$ |  |  |  |
|  |  |  |  |

