## Solving Equations



## Inverse <br> Property of Multiplication

Apply the inverse (opposite) operation, Value reduces to one

Variable is multiplied, divide
Variable is divided, multiply
Multiplied by fraction, multiply by reciprocal

$$
\begin{gathered}
-2 y=12 x+8 \\
\frac{-2 y}{-2}=\frac{12 x}{-2}+\frac{8}{-2} \\
y=-6 x-4
\end{gathered}
$$

