## Math 8: Unit 10

$$
10.4-\mathrm{a}(\mathrm{x}+\mathrm{b})=\mathrm{c}
$$



For equations of the form $a(x+b)=c$ we can solve two methods.


Isolate the variable $s$.

$$
\begin{gathered}
\frac{A(s+8)}{4}=\frac{600}{4} \\
s+8)=150 \\
-8=-8 \\
s=142
\end{gathered}
$$

Method 1: Divide first $\mathrm{a}(\mathrm{x}+\mathrm{b})=\mathrm{c}$
Isolate the variable on one side of the equal sign by dividing everything by the " 4

Example:


Practice:
$\frac{12(x-3)}{2}=\frac{12}{-2} \quad \frac{-20}{5}=\frac{5(3+p)}{S}$

$$
\begin{array}{r}
x-z=-6 \\
+3 \\
+3 \\
x=-3
\end{array}
$$

$$
\begin{aligned}
& -4=3+p \\
& -3=-3 \\
& -7=10
\end{aligned}
$$

