Absolute value.

$$
|x|=3
$$


$\rightarrow$ Do NOT distribute

$$
|3 x+1|=6
$$

$$
\begin{aligned}
3 x+1 & =-6 \\
3 x & =-7
\end{aligned}
$$

$$
x=-7 / 3
$$

$$
\begin{aligned}
3 x+1 & =6 \\
3 x & =5 \\
x & =5 / 3
\end{aligned}
$$

No Solution

$$
\begin{array}{r}
\frac{-3|3 x+10|=-21}{-3} \\
|3 x+10|=7 \\
\langle k
\end{array}
$$

$$
\begin{gathered}
\text { old! } \\
\substack{1,-a-47 \\
\text { Nesearenes }} \\
3|2 x-11|+6=42
\end{gathered}
$$

$$
5 x-9=42\left\{\begin{array}{r}
3|2 x-11|+6=42 \\
-6=6
\end{array} \begin{array}{r}
3|2 x-11|=36 \\
\frac{3}{|2 x-11|}=12 \\
2 \\
2 x-11=-12 \quad 2 x-11=12 \\
2 x=1 \\
2 x=\frac{1}{2} \quad \begin{array}{l}
x=\frac{23}{2}
\end{array}
\end{array}\right.
$$

