Warm up

1) $y-3=3(x+4)$

$M=\frac{2}{1}$


## 3-3: Solving Inequalities

Objectives: I can solve a multi-step inequality

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## REVIEW:

## $0<>$ <br> $\leq \frac{>}{\text { Graph }}$ the inequalities on a number line

 $x<5$
$x \geq-2$

$x \leq 0$

$x>-4$


$$
\begin{array}{r|r}
\text { Solve } k-17 & =-3 \\
+17 & +17
\end{array}
$$

$$
\text { Solve } \begin{array}{c|c}
k-17 & k-3 \\
+17 & +17
\end{array} ⿻ \begin{gathered}
k<214
\end{gathered}
$$

$$
\begin{aligned}
& \frac{n}{15}<-14 \\
& n<-210
\end{aligned}
$$

$$
\begin{array}{r}
8+m \leq-1 \\
-8+r \\
\hline m \leq-9
\end{array}
$$



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$$
\begin{gathered}
-122 \leq 0-7 p \\
\frac{-4}{-126} \leq \frac{-7 p}{-7} \\
\frac{18}{57} \geq p
\end{gathered}
$$

$$
\begin{gathered}
-3>\frac{b}{4}-5 \\
+5+5 \\
4 \cdot 2>\frac{b}{4} \cdot 4 \\
8>b
\end{gathered}
$$

$$
\begin{aligned}
& 3 \cdot 5 \geq \frac{x-1}{3} \cdot 3 \\
& 15 \geq x-1<>0 \\
& +1 \geq+1 \leq 2 \\
& 16 \geq x \quad
\end{aligned}
$$

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