# Warm-up 9/14 

Solve the following.
$\begin{array}{ll}\text { 1.) } 3 x+19+9 x=-14-11 & \text { 3.) } 5(m+7)+9=8\end{array}$
2.) $\frac{2 m-4}{8}=2$

Warm-up 9/14

Solve the following.
1.) $3 x+19+9 x=-14-11$

$\left.\frac{2}{8}\right)\left(\frac{2 m-4}{8}\right)=2(8)$

3.) $5(\mathrm{~m}+7)+9=8$
$5 m-35+9=8$

4.) $-8+x=20$


## Variables on both sides of the Equation

$$
\begin{gathered}
7 m=4 m+15 \\
\frac{-4 m}{-4 m} 3 \\
\frac{3 m}{3}=\frac{15}{3} \\
m=5
\end{gathered}
$$

1. Get all letters on one side of the equation.
2. Isolate variable by performing reverse order of operations

Try These!


More Examples

1. $(\widetilde{y+6})=3 y$

3.(5) $\times 2=(3)+4 \times(5)$


## Homework

pg. 43 \#s 3-21 (odd)

