$$
\begin{gathered}
8-27-13 \\
3^{r \cdot 2} T_{r}: g \\
\text { Simplify } \frac{30}{7} \\
4 \frac{2}{7} \\
\text { Simplify } \frac{20}{19} \leftarrow \text { huu mony you hous } \\
1 \frac{1}{19}
\end{gathered}
$$

$$
\frac{3}{\frac{1}{2}}=6 \quad \frac{\infty}{\infty}
$$

$$
\frac{2}{\frac{1}{4}}=8 \frac{000}{0000}
$$

Solving for a variable
(1) $10 n-(2 n-7)=5 n+18$

$$
10 n-2 n+7=5 n+18
$$

$$
\begin{gathered}
8 n+7=(5 n+18 \\
\frac{5 n}{-5 n}+5 \\
\hline 3 n+7=18 \\
-7=-7 \\
\frac{3 n}{3}=\frac{11}{3} \\
\hline 22
\end{gathered}
$$

$$
n=3 \frac{2}{3}
$$

(2) $\begin{aligned}-6 n-(2 n+3) & =-n-8 \\ -6 n-2 n-3 & =-n-8\end{aligned}$

$$
\begin{aligned}
& 8-3=-n-8 \\
&\left(8 n^{-3}+8 n\right. \\
&-3=7 n-8 \\
&+8=78 \\
& \frac{5}{7}=\frac{2 n}{7} \\
& \frac{5}{7}=n
\end{aligned}
$$

(3) $2(2 n+1)-3(n-2)=20$

$$
4 n+2-3 n+6=20
$$

$$
\begin{gathered}
n+8=20 \\
-8=-8 \\
\hline n=12
\end{gathered}
$$

(4) If $3 n+1=10$, whet is $5 n^{-}$
$\vdots$
$n=3 \therefore 5 n=15$

$$
\begin{aligned}
& 8-2 n-13 \\
& 4^{2 n} T r i g
\end{aligned}
$$

Fractions

$$
\begin{aligned}
& \frac{19}{17}=1 \frac{2}{17} \\
& \frac{14}{3}=4 \frac{2}{3}
\end{aligned}
$$

$\frac{3}{\frac{1}{2}} \leftarrow$ how many I have

$$
8=6
$$

(0)

Solvim for a variable
(1)

$$
\begin{aligned}
& 6 n-(2 n-8)=n+n+20 \\
& 6 n-2 n+8=n+n+20 \\
& \begin{array}{c}
4 n+8=2 n+20 \\
-2 n \\
2 n+8=20 \\
-8 \\
2 n \\
\frac{2 n}{2}=\frac{12}{2} \\
n=6
\end{array}
\end{aligned}
$$

(2)

$$
\begin{gathered}
3(2 n-1)=-3 n+1 \\
6 n-3=-3 n+1 \\
+3 n+3 n \\
+3 n(-3)=1 \\
\hline 9 n=\frac{4}{9} \\
\hline \frac{9 n}{9} \\
n=\frac{4}{9}
\end{gathered}
$$

