### 3.8 Solving First-Degree Equations - More Practice

Class Notes - Classify each equation as a single-step first-degree equation, multi-step first-degree equation, or not a first-degree equation. Then solve each first-degree equation and check. If you do not solve an equation, explain why.

| LP\#1 <br> $x+10=6$ | $3(m+10)=-24$ | $4 w+4=32$ |
| :--- | :--- | :--- |
|  |  |  |
| LP\#2 |  |  |



Review - Solve each first-degree equation as single-step or multi-step. Solve and check.

| $\mathbf{R \# 1}$ | $5 x=20$ | $4 x-7=-31$ |
| :--- | :--- | :--- |
| $10+x=8$ |  |  |
|  |  |  |


| R\#2 <br> $2 x+1=17$ <br>  <br>  | $3=-x+3 x+7$ | $4+6 x-7 x=-6$ |
| :--- | :--- | :--- |
| R\#3 |  |  |
| $x+8=-47-4 x$ | $-7 x+1=-87+4 x$ | $-5(-9-7 x)=185$ |
|  |  |  |

## Homework -

Solve each first-degree equation and check. If you do not solve an equation, explain.

1) $x+3=15$
2) $-5 x+7=12$
3) $3 x+8=20$
4) $-9+6 x+5 x=24$
5) $-5=-4 x+7 x-5$
6) $5 x+9+x=-63$
7) $6+6 x+x=27$
8) $-6 x+7=-84+7 x$
9) $3 x+9=4 x+16$
10) $6 x+4=3+5 x$
11) $7 x+8=18-3 x$
12) $5 x-4=2 x-28$
13) $3(2 x-3)=63$
14) $2(8+7 x)=72$
15) $3(5 x-10)=-150$
16) $-4(10+2 x)=-136$
17) $-7 x=-49$
18) $2+7 x=37$
19) $-1+2 x=-23$
20) $-27=-4 x-5 x+9$
21) $8-4 x-x=18$
22) $7 x+4+2 x=13$
23) $-4 x+7+5 x=12$
24) $6 x+9=9+5 x$

## Synthesis

## TBA

