## Lesson 3.4 - Solving First-Degree Equations Involving Multiple Steps - Part 1

When the left side and right side of an equation are completely simplified, then the equation is ready to be solved. Using two operations is necessary to solve a multi-step equation. To solve the equation, we must make use of the order of operations (PEMDAS). However, when solving the equation we complete any addition/subtraction, first, then multiplication/division.

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

| Set 1 <br> $3 x+2=8$ <br> 5 | $5 x-6=9$ | $4 m=10=26$ |
| :--- | :--- | :--- |
|  |  |  |
| Set 2 |  |  |
| $5+\frac{d}{2}=37$ | $\frac{p}{3}+9=-8$ | $\frac{w^{2}}{11}+10=15$ |


| Set 3 <br> $13=19+2 n$ <br>  | $6 x^{2}+10=226$ | $\frac{k}{-4}+10=-40$ |
| :--- | :--- | :--- |
|  |  |  |
| Set 4 |  |  |
| $3 k-11=10$ |  |  |

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


