

## Warmup reminders

- Try to put all of the warmups for the week on the same piece of paper.
- You will gain or lose points on LiveSchool depending on if you turn in warmups or if you are missing a few days
- If you are ever absent, just say "Thursday - absent" or something so I know not to count off
- ORGANIZATION IS KEY!!! If you struggle with it, try to come up with a system" that works for you

Agenda for the Week

Monday and Tuesday- Solving Equations
Wednesday and Thursday- Solving for a Variable

Friday- Quiz

Objective for the Day
$\square$ Solve more difficult equations

$$
\begin{gathered}
24=6(-x-3) \\
x=-7
\end{gathered}
$$

$$
\frac{11}{6}=\frac{1}{3}+p
$$

$$
p=3 / 2
$$

$$
\begin{gathered}
\frac{2}{3} x-2=\frac{1}{2} x+4 \\
x=36
\end{gathered}
$$

$$
\begin{array}{cc}
-\frac{3}{4} x=21 \\
x=-28 & \frac{2}{5} x-10=20 \\
& x=75
\end{array}
$$



Solve $10-5 x+1=7 x+11-12 x$.

$$
\begin{aligned}
10-5 x+1 & =7 x+11-12 x \\
10-5 x+1 & =7 x+11-12 x \\
11-5 x & =11-5 x \\
\frac{+5 x}{11} & =\frac{+5 x}{11}
\end{aligned}
$$

The equation $10-5 x+1=7 x+11-12 x$ is an identity. All values of $x$ will make the equation true. All real numbers are solutions.

$$
x+2=x+2
$$

infinitely many solutions/ all real numbers

Solve 12x-3+x=5x-4+8x.

$$
\begin{aligned}
12 x-3+x & =5 x-4+8 x \\
12 x-3+x & =5 x-4+8 x \\
13 x-3 & =13 x-4 \\
\frac{-13 x}{-3} & =\frac{-13 x}{-4} \times
\end{aligned}
$$

The equation $12 x-3+x=5 x-4+8 x$ is a contradiction. There is no value of $x$ that will make the equation true. There are no solutions.


