Today, we do it all -equation style!


$$
\frac{x}{4}-\frac{7}{x}=\frac{3}{1}
$$

| Non Permissible <br> Values | $X \neq 0$ |
| :--- | :--- |
| Lowest Common <br> Denominator |  |
| There is an equal <br> sign. <br> Multiply each <br> term by the LCD. <br> Clear fractions. | $x^{4(x)}-\frac{7^{(4 x)}}{x}=3^{(4 x)}$ <br> $x^{2}-7(4)=12 x$ |



$$
\begin{aligned}
& \frac{9}{1-3}-\frac{4}{1+6}=\frac{18(+6)(y / 3)}{(1-16)(y)-3)} \\
& \text { C.C.D: }(y-6)(y-3) \\
& 9(y-6)-4(y-3)=18 \quad y \neq 3,6 \\
& 9 y-54-4 y+12=18 \\
& 5 y-54+12-18=0 \\
& 5 y-60=0 \\
& y=\frac{60}{5}=12
\end{aligned}
$$

$$
\begin{aligned}
& \rightarrow \frac{\left.3 x x^{3}\right)}{\frac{(x+2}{1}}- \\
& 3 x(x-3)-5(x+2)=-25 \\
& 3 x^{2}-9 x-5 x-10+25=0 \\
& 3 x^{2}-14 x+15=0 \\
&(x-3)(3 x-5)=0 \\
& \downarrow \\
& x \times 3 \\
& \text { NAV. }
\end{aligned}
$$

$\left(x^{2}\right)$

$$
\begin{aligned}
& a b=b a \\
&
\end{aligned}
$$

$$
\text { NA: } x \neq-2,3
$$

$$
L C D:(x-3)(x+2)
$$

$$
\begin{array}{ll}
a b=45 \\
a+b=-14 & \frac{-b \pm \sqrt{b^{2}-4 a c}}{2 a}
\end{array}
$$

Quiz Tomorrow on Adding and Subtracting.
HW: pg: 349
\# 1,2,3,4,6

