8. 2 Solving Equations.

$$
\begin{aligned}
& \text { May } 3,2019 \mathrm{LS}^{838 \mathrm{AM}} \text { RS }
\end{aligned}
$$

$$
\begin{aligned}
& x=-10 / 27
\end{aligned}
$$

ANEW $\quad \frac{x}{3}-\frac{1}{2}=-1 \frac{3}{4}$ create a
coefficient

$$
\begin{aligned}
& \frac{x}{3}-\frac{1}{2}=-1_{x}^{4+3} \frac{3}{4} \\
& \downarrow \\
& \frac{1}{3} x-\frac{1}{2}=\frac{-7}{4}+\frac{x^{2}}{x^{2}} \frac{2}{4} \\
& \frac{1}{3} x=\frac{-5}{4} \div \frac{1}{3} 2 \\
& \div \frac{1}{3} \cdot \frac{-5}{4} \times \frac{3}{1}=\frac{-15}{4} \\
& x=-3 \frac{3}{4}
\end{aligned}
$$

TWo ways to Solve

$$
\begin{aligned}
& \text { This shows } x \div 3 \\
& \begin{aligned}
\frac{x}{3}-\frac{1}{2} & =-1 \frac{3}{4} \\
\frac{x}{3}(3) & =-\frac{5}{4} \frac{(3)}{1} \\
x & =-\frac{15}{4} \\
x & =-3 \frac{3}{4}
\end{aligned}
\end{aligned}
$$

b)


$w=\frac{5}{8} \times \frac{2}{1}>\frac{10}{8}+\frac{5}{4}$

$$
w=1 \frac{1}{4}
$$

c)

$$
\begin{aligned}
&+\frac{4}{5}-2 \frac{1}{2} g=\frac{3}{10}-\frac{4 x^{2}}{5 x^{2}} \\
&-\frac{4}{5} \\
& \frac{3}{10}-\frac{8}{10} \\
&-2 \frac{1}{2} g=\frac{-5}{10} \\
& \frac{-5}{2} g=\frac{-\frac{1}{2}}{-\frac{-5}{2}}-\frac{-5}{2} \\
& \frac{-1}{2} \times \frac{2}{5}-\frac{1}{5} \\
& g=\frac{1}{5}
\end{aligned}
$$

Assignment p $311 \# 7 c d, 8 c d, 9,10,18$ try: $28,29,31$

