M8-10.3- " $\frac{a}{x}=b " " \frac{a}{b x}=c "$ Notes

| Solve for $\boldsymbol{x}$ |  |  |
| :---: | :---: | :---: |
| $\frac{8}{x}=4$ |  |  |
| $x \times \frac{8}{x}=4 \times x$ | Multiply $x$ to both sides | Multiply both sides by th denominator |
| $x \times \frac{8}{x}=4 \times x$ | Cross it off |  |
|  |  | Check Answer |
| $8=4 x$ |  | $\underline{8}=4$ |
| $\frac{8}{4}=\frac{4 x}{\lambda}$ |  | $\begin{aligned} & x \\ & 8 \end{aligned}$ |
| $\overline{4}=\overleftarrow{4}$ | Divide both sides by 4 | $\frac{0}{2}=4$ |

Solve for $\boldsymbol{x}$

Short Form
$\frac{24}{2 x}=3$
$\frac{24}{2(3)}=x$
$x=4$

