**6.2 Part 2 – Solving Equations Containing Fractions**

To solve an equation containing a fraction, the variable must be in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. If it is in the denominator, we can create an equivalent equation and solve it instead. Remember that whatever you do to one side of the equation, you must do to the other.

Ex. 1: Solve.

1. $\frac{96}{x} = 4$ (b) $\frac{122}{r} = 4$

If an equation contains fractions, but the variable is not in the denominator, we can still eliminate the fractions by multiplying every term by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ex. 2: Solve.

1. $ \frac{2a}{3} = \frac{4a}{5} + 7$
2. $\frac{3}{2}\left(3x+1\right)=\frac{3x}{4}$