SOLVING RATIONAL EQUATIONS

1. _____ each side of the equation until it is a single _____.
2. Draw in your invisible _____.
3. To get rid of the _____ on the left side of the equation, _____ both sides of the equation by the _____.
4. Simplify the left side.
5. To get rid of the _____ on the right side of the equation, _____ both sides of the equation by the _____.
6. Simplify the right side.
7. Perform the required _____. You may need to draw a _____ or _____.
8. Solve for _____.

What is the solution of $\frac{5}{x} + \frac{3}{8} = \frac{61}{56}$?

Which could be the value of d for the given equation?

$$\frac{1}{d} + \frac{2}{5} = \frac{11}{5d}$$

What is the value of x in the rational equation?

$$\frac{4}{x+5} = \frac{3}{x-2}$$

What is the value of x in the rational equation?

$$\frac{6}{x+1} = \frac{1}{x-4}$$