Write <u>six fractions</u> that are equivalent to 2:

Using <u>one</u> of your fractions as an example, <u>demonstrate</u> the process that you would use to make your fraction simplify back to 2.

Explain what you did in words: _____

_____

_____

Now, simplify the following rational expressions using your method:

a) $\dfrac{6x}{24a}$

b) $\dfrac{6x+8}{24a}$

Explain how these examples are similar or different from simplifying the fractions you made to equal 2 above.

_____

_____

_____

c)   If $\dfrac{6x}{3} = \dfrac{48}{12}$, solve for *x*.

Use the same method to solve for x. Explain why using equivalent expressions for each side of the equation works. _____

_____

_____