

To solve equations with fractions...
GET RID OF THEM!!

... by multiplying by the Lowest
Common Denominator (LCD)

Example 1: Solve the following:

a)
$$\frac{w-1}{4} = \frac{w+2}{3}$$

b)
$$\frac{5-2a}{4} = \frac{6-a}{5}$$

c)
$$\frac{3x}{4} + \frac{x-5}{3} = \frac{1}{6}$$

Example 2: Solve and check

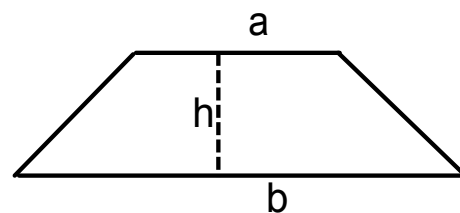
$$\frac{2}{3}(3d + 5) = \frac{3}{4}(2d + 4)$$

CHECK

Left Side	Right Side

** NOTE you will need the following formulas for the word problems

$$\text{Area of a Trapezoid} = \frac{1}{2}(a + b)h$$



$$\text{Area of a Triangle} = \frac{1}{2}bh$$