

### 3.3 – “Solving Equations with FRACTIONS”

**STEPS:** 1) Eliminate the fractions by multiplying each term in the equation by the LOWEST COMMON DENOMINATOR (LCD).

2) Follow steps from previous lessons.

Ex. 1) Solve and check.

a)  $6 = \frac{1}{3}(8 + x)$

b)  $\frac{3(y-5)}{4} = 7$

c)  $\frac{x}{3} - \frac{3x}{2} = \frac{1}{6} - x$

$$d) \frac{1}{3}(2x - 5) = \frac{3}{4}(x - 2)$$

$$e) \frac{k+2}{3} = \frac{k-4}{5}$$

$$f) -1 = \frac{x+1}{3} + \frac{2-3x}{2}$$

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