

## I. Clearing Fractions:

**multiplying** both sides of the equation **by** the **LCD**  
yields an equivalent equation without any fractions

## II. Examples (p.491): Problems ~~#2,6,14,18~~

## III. More Examples (p.491): Problems #16-42

HW: pp.491-492 / Problems ~~#3-15~~(every other odd),  
5,13,21,27,29,35,41,45,49,51

Read pp.493-496 (section 7.6)

# I. Proportion (p.493):

equation between 2 ratios (or rational expressions)

$$\frac{a}{b} = \frac{c}{d}$$

# II. Cross-Multiply (*a.k.a.* “means & extremes”):

$$\frac{a}{b} = \frac{c}{d} \Rightarrow ad = bc$$

Short-cut to accomplish clearing of fractions (using the LCD)

# III. Examples (p.497): Problems#2-**20**(even)

# IV. Applications (pp.497-498): Problems#26,28,**30**

HW: pp.497-498 / Problems#1-39(every other odd)

Read pp.499-504 (section 7.7)