

I. Word Problem Guidelines #2: see website link

II. Examples (pp.192-193): ~~Exercises #10,16~~

~~HW: pp.192-193 / Exercises #1,3,9,11,13,17~~

III. Mixture Problems (pp.185-187):

A. **Track** the amount of the **key ingredient**...

Amount of ingredient in substance #1 + Amount of ingredient in substance #2 = Amount of ingredient in final mixture

B. Example (p.193): Exercise #20

IV. Uniform Motion Problems (pp.188-189):

A. **distance = speed \times time** ($d = rt$)

also, **speed = distance \div time**

B. Example (p.193): Exercise #30

V. Break-even (pp.189-191):

A. The “**break-even**” point occurs when the **cost** of making x units **equals** the **revenue** from selling x units (of some product/service)...

B. Example (p.195): Exercise #48

HW: pp.192-195 / Exercises #5,7,19,21,27-37(odd),
41,47,49

I. Three Equations in Three Variables (p.197):
solve by using the elimination method

II. Examples (pp.203-204): Exercises #8,38

HW: pp.202-204 / Exercises #1,5,7,15,17,23,25,35