A travel agency offers two Boston outings. Plan A includes hotel accommodations for 3 nights and two pairs of baseball tickets worth \$518. Plan B includes hotel accommodations for 5 nights and four pairs of baseball tickets worth \$907. Find the cost of one night's hotel accommodations and one pair of baseball tickets.

baseball tickets.

$$-2(3x+2y=518) - 6x-4y=1036$$

$$5x+4y=907 - 2x=129$$

$$-1 = 129$$

$$-1 = 131$$

$$3(129)+7y=518$$

$$-387 - 387$$

$$2y=131$$

$$y=65.5$$

$$129 \text{ per night}$$

$$4(55.50 \text{ per pair of higher})$$

$$4(55.50 \text{ per pair of higher})$$

Homework Questions?

3 Types of Word Problems

*If you have 3 money numbers

-write Money Equation $4 \times + 4 y = 4 \times 4$

-write Amount Equation X+y= Told

-solve for both variables

*If problem asks for **SAME** amount

- -write equations in y = mx + b format
- -set equations **EQUAL** to each other -**Solve** for the ONE VARIABLE

Same means set Equations =

7.4 Word Problem Quiz

When Done...

- Check you showed ALL WORK
- Turn into basket & work on HW

7.4 Homework p.421 #20-30even

(You get to pick the method you want)
Graphing, Substitution, Linear Combinations