Name: _____ Date: _____ Period: _____

4.5 Systems of Linear Equations Problem Solving DAY TWO CYU

☑ Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Reading carefully and checking what makes sense	1, 2		
Determining variables		3, 4	
Writing equations		3, 4	
Solving systems		3, 4	
Writing answers in terms of the problem		3, 4	
Checking answers to systems		3, 4	
Review from Geometry			5, 6

Without actually solving each problem, choose each correct solution by deciding which choice satisfies the given conditions.

1. Two computer disks and three notebooks cost $17. However, five computer disks and four notebooks cost $32. Find the price of each.
   A. notebook = $4, computer disk = $3
   B. notebook = $3, computer disk = $4
   C. notebook = $5, computer disk = $2

2. Two music CD's and four music cassette tapes cost a total of $40. However, three music CDs and five cassette tapes cost $55. Find the price of each.
   A. CD = $12, cassette = $4
   B. CD = $15, cassette = $2
   C. CD = $10, cassette = $5

Determine the variables, write the equations, solve the problem, and write your answer in a complete sentence in terms of the problem. Finally, show that your checked your answer.

3. A smaller number and a larger number add up to 15 and have a difference of 7. (Let x be the larger number.)
   Variables

   Equations

   Solve

   Check

   Solution

4. The total of two numbers is 16. The first number plus 2 more than 3 times the second equals 18. (Let x be the first number.)
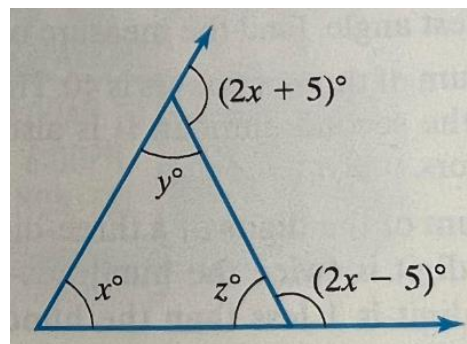
Variables
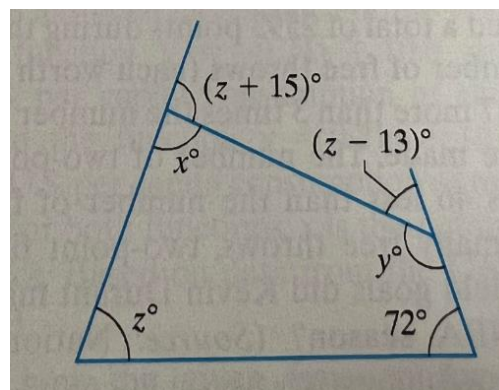
Equations

Solve

Check

Solution

Throwback to Geometry

5. Find the values of x, y, and z in the following triangle.

6. The sum of the measures of the angles of a quadrilateral is 360°. Find the values of x, y, and z in the following quadrilateral.

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*
Rate your mastery level!
How confident are you with the skills this CYU covered? Circle the score you would give yours elf.

1 2	3 4 5	6 7 8
Basic	Intermediate	Advanced Solved ALL!