Name:	Date:		riod:
4.5 Systems of Linear Equation	ns Problem	Solving DAY ONI	E CYU
☐ Use when you get in	t right all by your	rself	
S Use when you did it all by you	rself, but made a	a silly mistake	
H Use when you could do it alone with a little help from teacher or peer			
G Use when you complete			
	•		
X Use when a question was att			
₩Use when a question w	vas not even atte	mpted	
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	5, 6	3, 4	
Without actually solving each problem, choose each cor	rect solution by d	eciding which choice satis	fies the given
conditions.			
A. length 8 ft, width 5 ft B. length 8 ft, width 7 ft C. length 9 ft, width 6 ft 2. An isosceles triangle, a triangle with at least two side equal sides is one inch longer than the third side. Find A. 6 in, 6 in, 7 in B. 7 in, 7 in, 6 in C. 6 in, 7 in, 8 in			nes. Each of the
Determine the variables, write the equations, solve the terms of the problem. Finally, show that your checked y		te your answer in a comple	ete sentence in
Two numbers total 83 and have a difference of 17. FiVariables	nd the two numb	ers	
Equations			
Solve			
Check			

Solution

4. The sum of two numbers is 76 and their difference is 52. Find the two numbers.

Variables

Equations

Solve

Check

Solution

Check the following ordered triples in the systems of three variables to determine if the answer is a solution or not. Show all work for full credit.

$$x - y + z = -4$$

5.
$$3x + 2y - z = 5$$
; (-1, 5, 2)
 $-2x + 3y - z = 15$

$$x + y - z = -1$$

6. $-4x - y + 2z = -7$; (3, 3, 1)

$$2x - 2y - 5z = 7$$

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.

