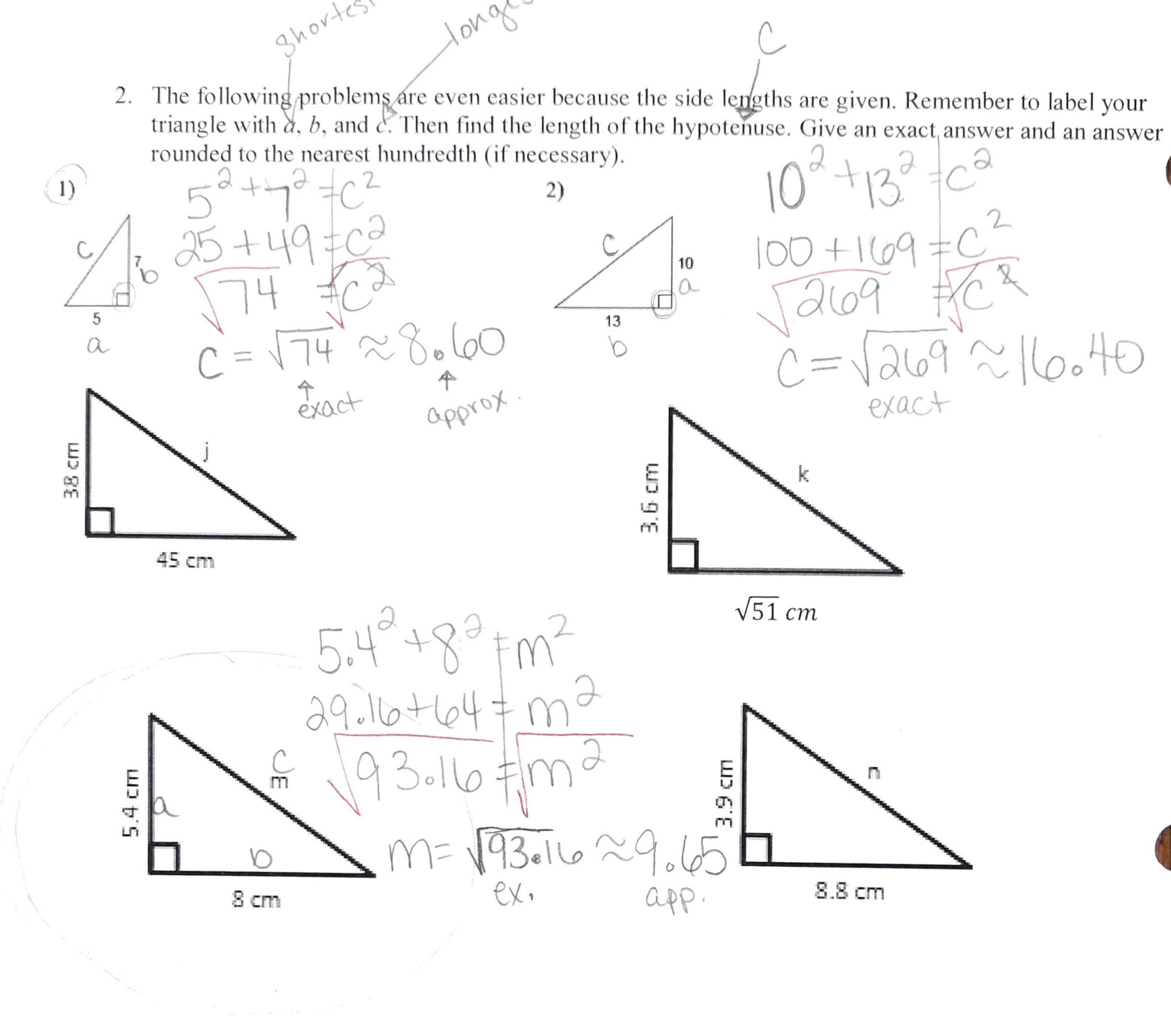
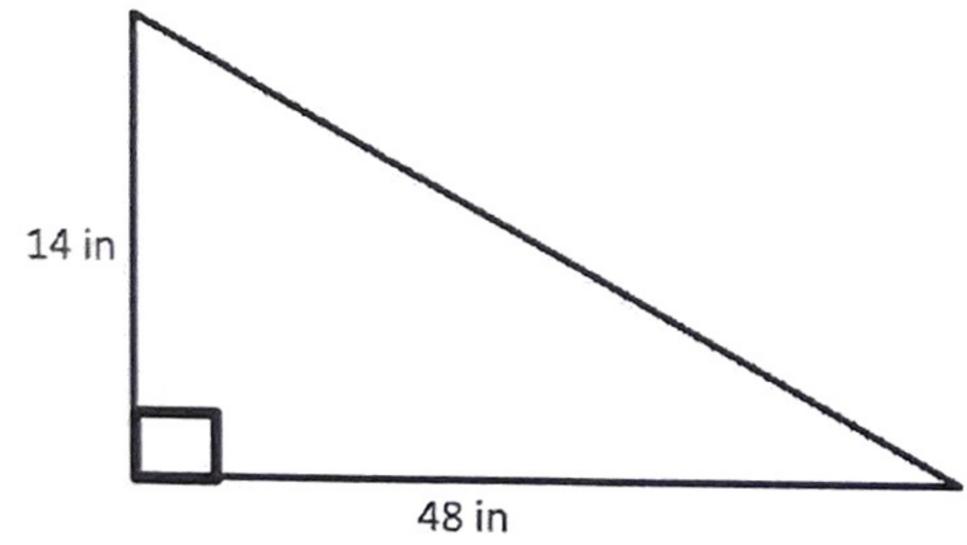
Mama:		Date:		Hour:
Name: Unit 4A: Day 11 Focus Ouestion: Ho	o: Finding the Len w do I find the length of	gth of the Hypote	enuse ght triangle?	
A. Using the call		ibers will stay below 15		le numbers.
a. 17 <sup>2</sup>	b. 7.5 <sup>2</sup>	c. 9.15 <sup>2</sup>	$d. \sqrt{2}$	42
280	1 51002	5 83,	7225	4
2 Fill in the	table below.			
Z. I'll ill tile	Table below.			
Exact Number	$\sqrt{75}$	$\sqrt{171}$	$\sqrt{2}$	$\sqrt{116}$
My Estimate	1640 1750 881 · 18 0 18 · 18 · 18 · 18 · 18 · 18 · 18 ·	139 2171 05 1196 13 2 1 3005		
Calculator answer rounded to the nearest hundredth	8066	2130,08		1017
<ol> <li>On the right triangle, label the sides with a, b, and c.</li> <li>Back in the days of Pythagoras (550 BC), they did not use a, b, and c. They used leg and hypotenuse. Pythagoras stated his theorem as "in a right triangle, the square of the hypotenuse is equal to the sum of the squares of the legs."</li> </ol>				
Write this is	using a, b, and c. Then,  P = Sq. leg + 9  - 2 +	label the triangle using	leg and hypotenuse.	lea
C. Finding the length of the hypotenuse (exact and approximate)  1. Find the distance between (-4, -2) and (3, 5)  X				
	72472-	C2 C2 C8	-6 -5 -4 -3 -2 -	1 C 1 0 1 2 3 4 5 6 x -1 -2 - -3 -4 -5 -6 -6
2	fact - \$ 198 =	- (	29.90	approx,

Hour:





Jackie was asked to find the missing side length in the triangle at the left. Her work is below.

$$a^{2} + b^{2} = c^{2}$$
 $14^{2} + 48^{2} = c^{2}$ 
 $28 + 96 = c^{2}$ 
 $\sqrt{124} = \sqrt{c^{2}}$ 
 $11.14 \approx c$ 

Explain her error(s) in reasoning.