#### KNOWLEDGEPLUS TRAINING CENTER

Dear Parents / Students

Due to the unprecedented situation, Knowledgeplus Training center is mobilized and will keep accompanying and supporting our students through this difficult time. Our Staff will be continuously, sending notes and exercises on a weekly basis through what's app and email. Students are requested to copy the notes and do the exercises on their copybooks. The answers to the questions below will be made available on our website on knowledgeplus.mu/support.php. Please note that these are extra work and notes that we are providing our students and all classes will be replaced during the winter vacation. We thank you for your trust and are convinced that, together, we will overcome these troubled times.

## **Knowledgeplus Training Center**

**Mathematics** 

**Garde 8** 

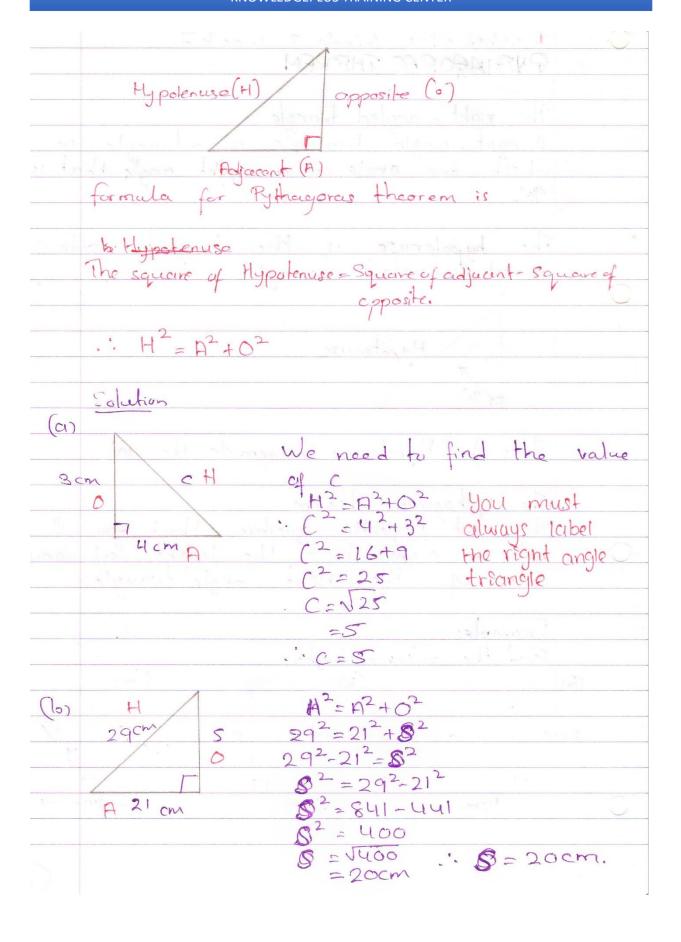
Week 7

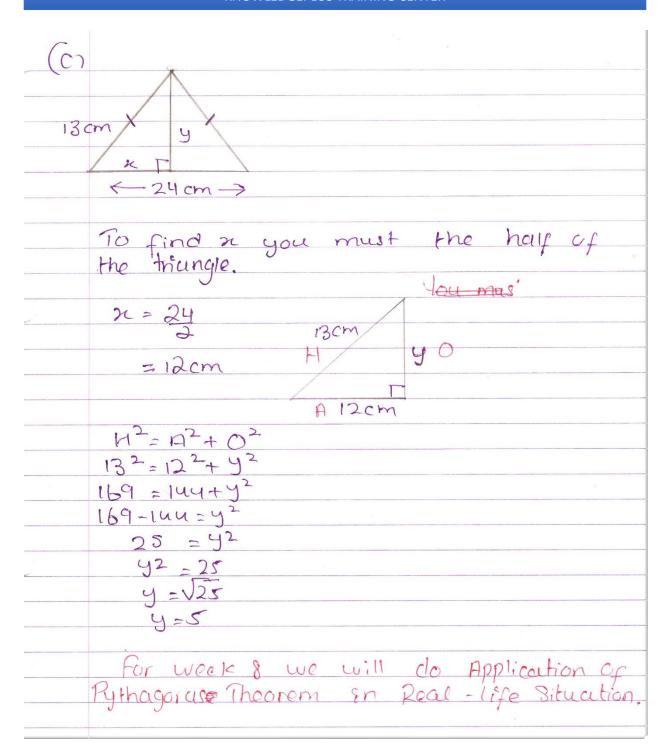
### **Notes and Exercise**

Note: (All the Notes, Examples and Exercise are on the photos and Note: (Please copy all the Notes, Examples and Exercises on your copy book).

	Mathematics Grade 8 week 7.
	PYTHAGORAS THEOREM
	Marentage M.
	The right - angled briangle.
	A right angle triangle is a triungle in
	A right angle triangle is a triungle in which one angle is a right angle that is,
	90°.
	The hypotenuse is the long'est side in a righ - angled triungle.
	a righ - angled triungle
	My potenuse
	My potenuse
	To the
	-t1/ K) 11/1 /
*	Note: the Hypotenuse is apposite the 90°
le:	The Poth and wine The order
na'n	The Pythagoruse Theorem  The most frequently question that you will get in enamy is to the length of any side of the right angle triangle.
70.0	and in example is by the length of
,	side at the right analy triangle
	Example:
	Find the unknown lengths.
(a)	(b) (c)
	70 6 5 1 5 14 1 18 10 10 10 10 10 10 10 10 10 10 10 10 10
3 cm	n C 8 29cm / 5
	13cm/ y
	7 /2500/2 1 7 / 1
	4cm 2lcm ← 2ucm →
	001 - 2

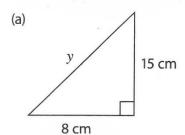
### KNOWLEDGEPLUS TRAINING CENTER

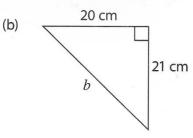


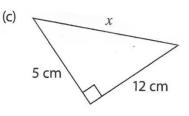


### **Attempt All Question.**

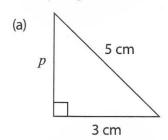
2. Use Pythagoras theorem to find the value of the unknowns.

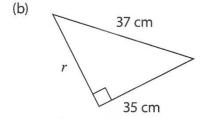


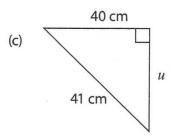




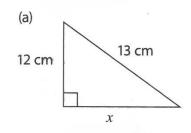
3. Use Pythagoras theorem to find the value of the unknowns.

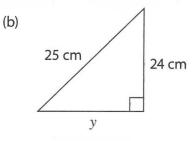


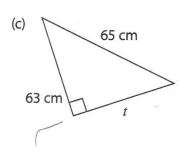




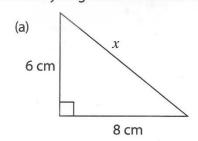
4. Use Pythagoras theorem to find the value of the unknowns.

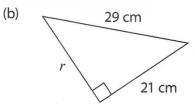


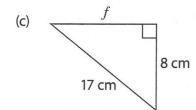




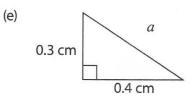
5. Use Pythagoras theorem to find the value of the unknowns.







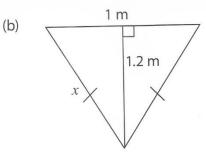
(d) 15 cm 9 cm

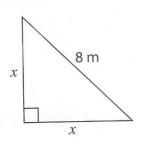


# Attempt All Question.

6. Use Pythagoras theorem to find the value of the unknowns, leaving your answer in  $\sqrt{\phantom{a}}$  form.

13 cm y 10 cm





(c)

