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 8

## **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).

#### KNOWLEDGEPLUS TRAINING CENTER

Mathematics Grade 8 Weels Applications of Pythagorus theorem in Real-life Situation. Examples A ladder lens against a wall of a house. If then lenght of the ladder is sm and the buse of the ladder is 3 m from the house, find the distance, d. H H SMA 4 3m Solution Hypotenuse (lengnt) = 5 m, base = 3 m  $H^2 = A^2 + 0^2$  $5^2 = 3^2 + d^2$  $25 = 9 + 0^2$ 9+02=25 d 5M 02=25-9  $0^2 = 16$  $d = \sqrt{16}$ 3m d = 4: Distance d = 4 m

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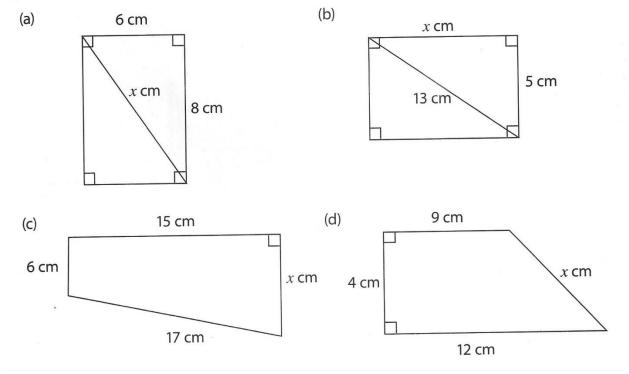
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#### KNOWLEDGEPLUS TRAINING CENTER

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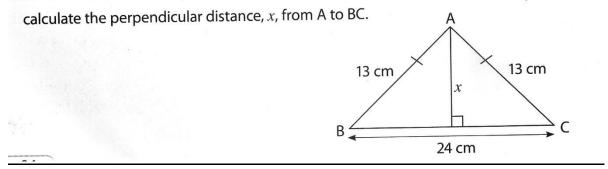
### Attempt:Ex1, Ex2, Ex3, Ex4, Ex5 and Ex6.

1. Find the value of *x* in each of the following:

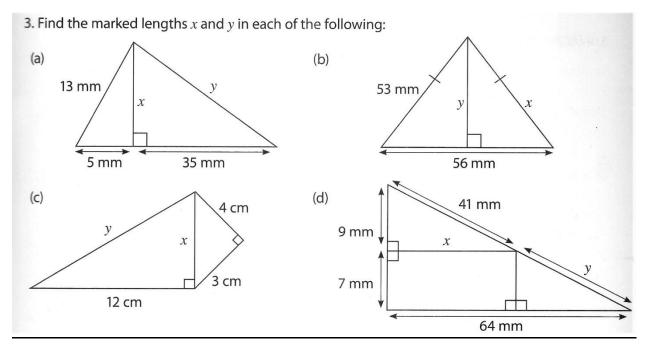


### <u>Ex2</u>

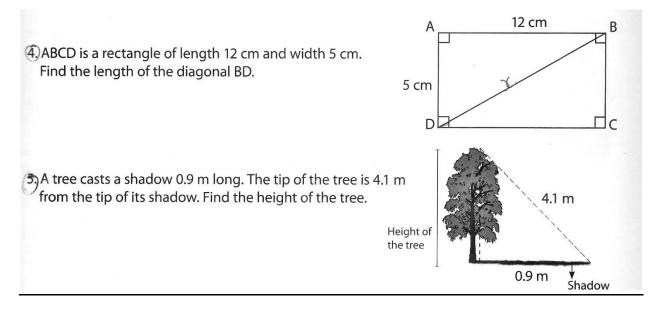
2. ABC is an isosceles triangle with AB = AC = 13 cm. Given that the length of BC = 24 cm,



### <u>Ex3</u>



### Ex4 and Ex5



### <u>Ex6</u>

Oudesh, a farmer, has a rectangular field as shown in the diagram. He is at one corner of the field and his tractor is at the opposite corner of the field. Calculate the shortest distance he needs to walk to get his tractor.

