SHEET 1

PENANG SANGAM HIGH SCHOOL

P. O. BOX 44, RAKIRAKI

LESSON NOTES - 11

SUBJECT: TECHNICAL DRAWING

QUESTION 2

Given:

Required:

Strand	TD11.1. GEOMETRY
Sub - Strand	TD11.1.2 CENTROIDS
Content Learning Outcome	TD11.1.2.1 Construct the centroid of simple geometrical shapes and objects with an appreciation of the significance of centroid.

CENTROID

By the end of this topic, students will:

SCHOOL: PENANG SANGAM HIGH

a) Define centroid and state its significance.

b) Construct centroid of simple geometrical shapes.

c) Apply the use of centroid in original articles.

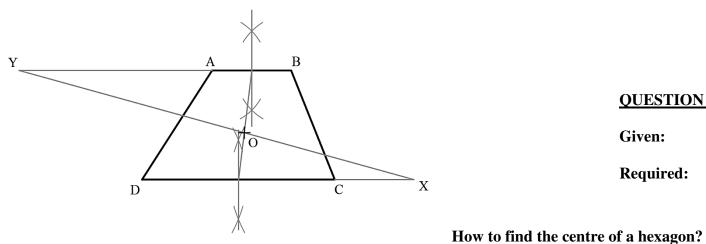
WORKED EXAMPLES

How to find the centre of a trapezium?

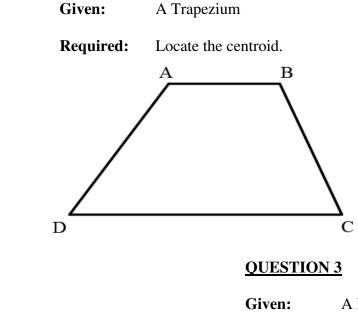
1. Bisect the two parallel sides (AB & CD) and join the midpoints.

2. Extend the parallel sides. Add the length of the opposite side as shown, (AB = XC & CD = AY).

3. Join X and Y which will intersect the line joining the midpoints for the centroid, O.

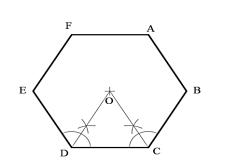


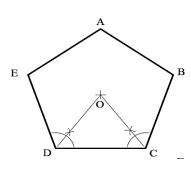
QUESTION 1

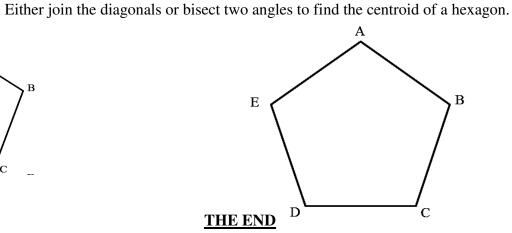


Required:

Е







A Pentagon

Locate the centroid.

SANGAM EDUCATION BOARD - ONLINE RESOURCES

YEAR/ LEVEL: <u>11 C/D</u>

A Hexagon

