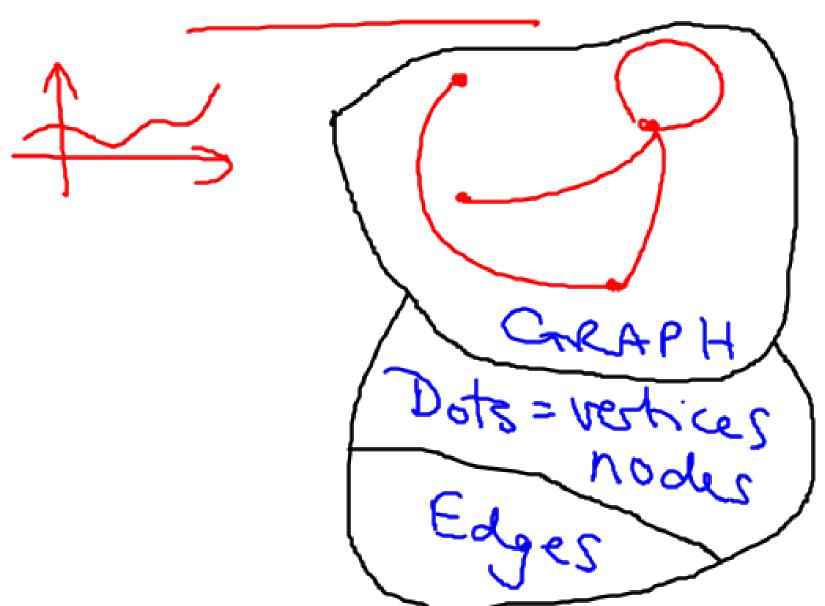
Module: D1 Block: Z Date: 10-9-13

# Objectives:

### You should:

- Understand notation and terminology (nodes/<u>vertices</u>; arcs/ <u>edges</u>; <u>trees</u>; node <u>degree</u>/order; <u>simple graphs</u>, <u>complete</u> <u>graphs</u>, <u>connected graphs</u> and <u>bipartite graphs</u>; <u>walks</u>, <u>trails</u>, <u>cycles</u> and <u>Hamilton cycles</u>; <u>digraphs</u>; <u>planarity</u>).
- Be able to model appropriate problems by using graphs.

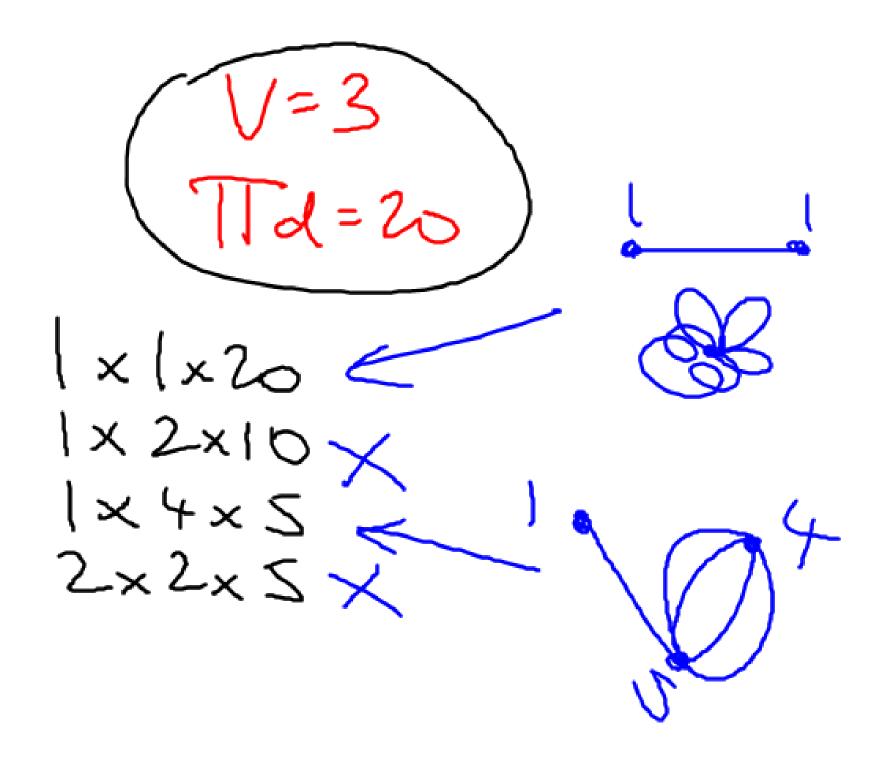
# CARAPHS



number of edges coming Repost

$$V=3$$

$$|x| = 4$$



# SPROUTS

EULER'S THEOREM For a graph, V+F-E=2Imaquie the smallest graph for which this is untrue Take off dot+edge X

# Teach yourself the gaps!

## **MEI Decision 1**



Section test and chapter assessment



Multiple choice section test Questions



**Graphs 1 Section Test**