

I.D of graphs

Week 16

Lesson Time : 5 - 10 Minutes

Course : Higher

Grade : 7/8

Back to Basics

Core

Let's Do It!

GCSE Revision Video 76

- **Prior Checklist:** A pack of A5/A6 revision cards.

A pen.

- **Our Video Structure:**

Back to Basics: Quick re-cap.

Core: *Create* your own revision cards with exam style questions.

Let's Do It!: *Apply* your revision cards to another set of exam style questions.

Instructions: Print out this worksheet and watch the revision video simultaneously.

Pause and Play the video unlimited times to review your work and write the answers in the blank spaces. Once you have written your answers, check these with the tutorial answers, as explained in the video.

Create your OWN revision cards when prompted on the worksheet (Back to Basic and Core sections).

Apply your OWN revision cards (Let's Do It! section).

Self Assess yourself (Out of 10) on your revision planner after you have completed the revision video.

WATCH this revision video and **MANY** others on our **FULL** courses at www.mathsmemory.co.uk

Let's get started and create our Master revision card with this suggested template.



Maths Memory

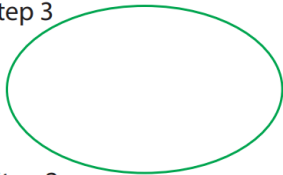
Learn:

➤ 5 Non Linear Graphs

➤ 4 Proportion Graphs

➤ 3 Trigonometrical Graphs

Step 3



Step 2



Step 1

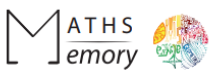


Example(s):

Topic: I.D of Graphs
Date/week: _____

GRADE
7/8

Core- Create your revision cards with these exam style questions

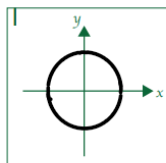
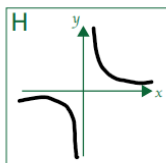
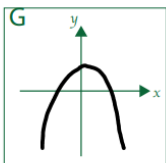
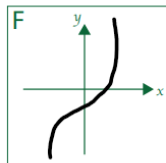
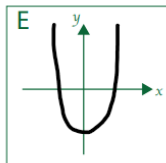
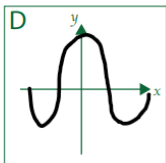
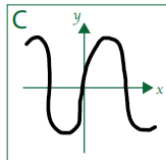
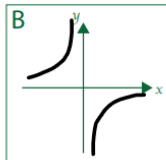
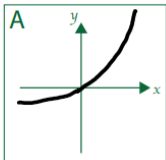


Core 1

Topic: I.D. of graphs

Question 1

Here are some graphs



In the table below, match each equation with the letter of its graph.

Equation	Graph
$y = \cos x$	
$y = x^3 - 4$	
$y = 2^x - 1$	
$y = \frac{5}{x}$	
$y = 2 - x^2$	
$x^2 + y^2 = 16$	

Grade

7 (3 Marks)



Let's get our revision card and create Section A. Look at video for guidance.



Core 2a

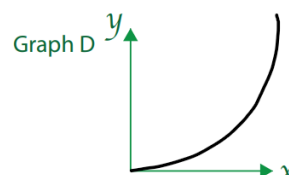
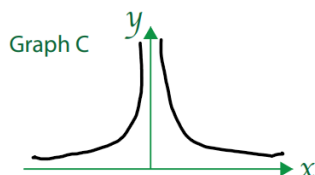
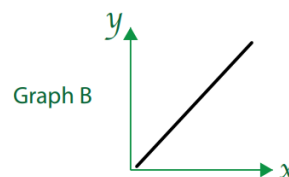
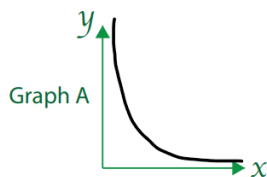
Topic: I.D. of graphs

Question 2

The graphs of y against x represent four different types of proportionality.

Match each type of proportionality in the table to the correct graph.

Type of Proportionality	Graph letter
$y \propto x$	
$y \propto x^2$	
$y \propto \frac{1}{x^2}$	
$y \propto \frac{1}{x}$	



Grade

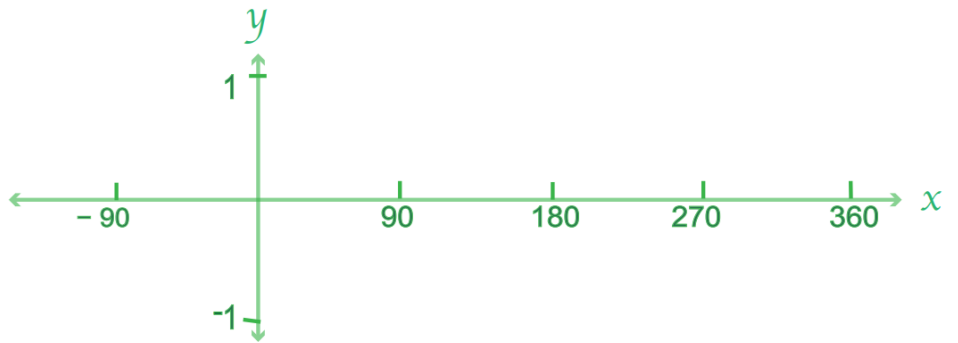
7 (2 Marks)

Let's get our revision card and create Section B. Look at video for guidance.



Question 2

a) Draw the graph of $y = \sin x$ ($-90 < x < 360$)



- b) Label A=(90,1)
- Label B=(180,0)
- Label C=(270,-1)

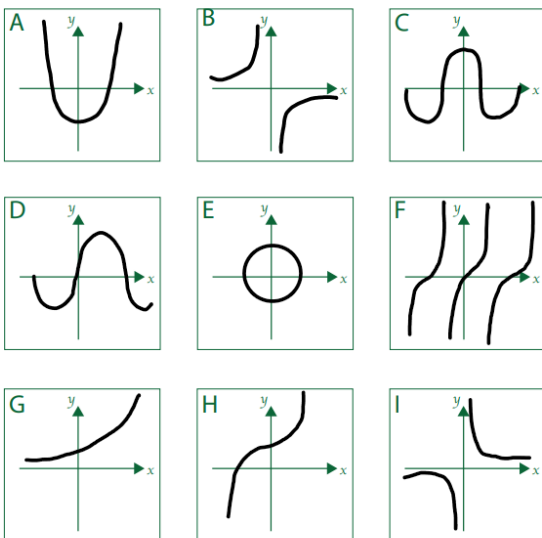
Let's get our revision card and create Section C. Look at video for guidance.



Let's Do It!- Apply your revision cards to another set of exam style questions

Question 1

Here are some graphs



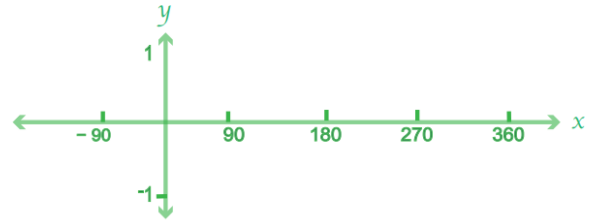
In the table below, match each equation with the letter of its graph.

Equation	Graph
$y = 3\sin x$	
$y = 2\cos x$	
$y = x^2 - 2x - 3$	
$y = 3 \times 4^x$	
$y = x^3 + 2$	
$y = \frac{3}{x}$	

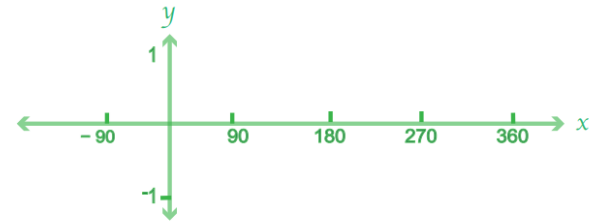
Grade 7 (3 Marks)

Question 2

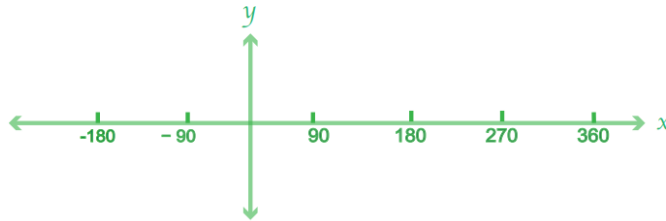
a) Sketch the graph
of $y = \sin x$ for $-90 \leq x \leq 360$.



b) Sketch the graph
of $y = \cos x$ for $-90 \leq x \leq 360$.



c) Sketch the graph
of $y = \tan x$ for $-180 \leq x \leq 360$.



Grade

7 (3 Marks)

Congratulations. You have completed this topic.

Now go back to your revision planner and rate yourself out of 10.