## Draw a Graph in Four Steps

1. Start Geocadabra and select the first option

What do you want to do first?
🖸 Start a new drawing)
Use an existing drawing file
C Use a recent drawing file
Play or maintain an existing animation
Show the calculator
<ul> <li>Adjust the configuration settings</li> </ul>

2. Select Two dimensions, Empty grid, check "Draw graph(s)" and click [OK]

Define the basic object 🛛 🔀		
Select dimension		
💽 Two dimensional) 🔿 Import from (MSDOS)-txt file		
C Three dimensional C Statistical methods		
Select a basic object		
C Triangle (3 sides) C Circle		
Triangle (2 sides + 1 angle between)		
C Triangle (2 angles and side between)		
C I riangle (co-ordinates of each vertex)		
C Regular polygon C Parallellogram		
Empty grid     C Empty page		
<ul> <li>Linear programming model</li> <li>Sequence recursion</li> <li>C Correlated data</li> </ul>		
C Dunamical supply and demand recursion analysis		
C Differential equation analysis		
Coordinate axes type		
Canad		

- **Define** axes Axes Linestyle ΟK œ, Hide Show) X from -5 to 5 Multiple of pi 2 Primary grid lines Linewidth axes 1 Secondary grid lines Axes colour 1 Enlargement factor Primary linewidth Description × Primary colour Y from 🚺 -1 to 10 Secondary linewidth Multiple of pi Secondary colour 5 Primary grid lines 1 Secondary grid lines 🔽 XY grid 1 Enlargement factor Description y Numbers on axes Show descriptions Descriptions parallel to axes г Arrow points at ends of axes Make square grid Make object fit
- 3. Adjust the Define axes window as shown. Click [OK].

Adjust the maintenance function window (syntax of the formula as on graphical 4. calculators) and click [OK]. The graph appears.

🔽 Fit grid Grid lines automatically

Maintenance function	
Type         • Function equation         • Curve equation         • Polar coordinates	<b>y</b>
<b>y</b> = 2^x	
What to draw  The function  Its inverse  Its derivative	5
C Its integral, starting point       = ( 0 , 0 )         C The function rotated       Centrre         Rotation angle       60	
Line thickness	
Demons	-4 -2 0 2 4
Cancel Zoomfit 🛐 🔃 OK	

Close the function windows and right click on the graph. The function formula is shown. Click on it for a pull down menu. Select how you want to analyse the graph.