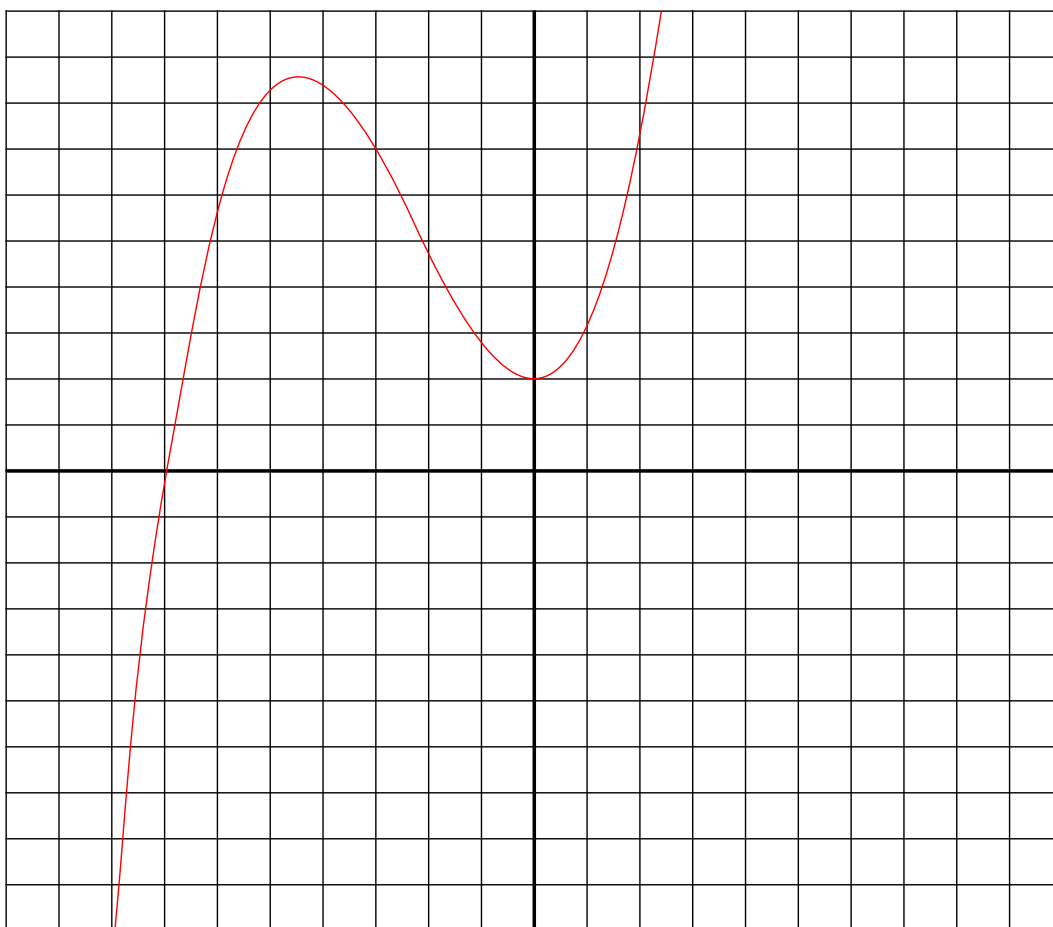


Calculator section.

- Here is the function $g(x)$



1. Find a value of x for which $g(x)$ is positive (mark it as a) (1/0/0)
 2. Find a value of x for which $g(x)$ is negative (mark it as b) (1/0/0)
 3. Find a value of x for which $g(x)$ is negative and increasing (mark it as c) (1/0/0)
 4. Find a value of x for which $g(x)$ is positive and increasing (mark it as d) (1/0/0)
 5. Find $g(-3)$ (1/0/0)
 6. Find a value of x for which $g(x)$ is positive and the curvature is positive too (mark it as e) (0/1/0)
 7. Find a value of x for which $g(x)$ is negative, increasing and the curvature is negative (mark it as f) (0/1/0)
 8. Find a value of x for which $g(x)$ is negative and the curvature is positive (mark it as g) (0/1/0)
- Find a function that passes through the points:

1. $(-1,3)$ and $(4,7)$ (1/0/0)

2. $(-1,-1)$, $(-6,4)$ and $(-4,-4)$ (0/1/0)

3. $(-3,-4)$ and $(-3,7)$ (0/0/1)

▪ find

$$\lim_{x \rightarrow 2} \frac{x - 2}{x^2 - 7x + 10}$$

- Use the graph paper and a value table to plot the following functions

$$i(x) = \log_2 x$$

(0/1/0)

$$j(x) = 2^x$$

(0/1/0) Is there a relationship between them?(0/1/1)