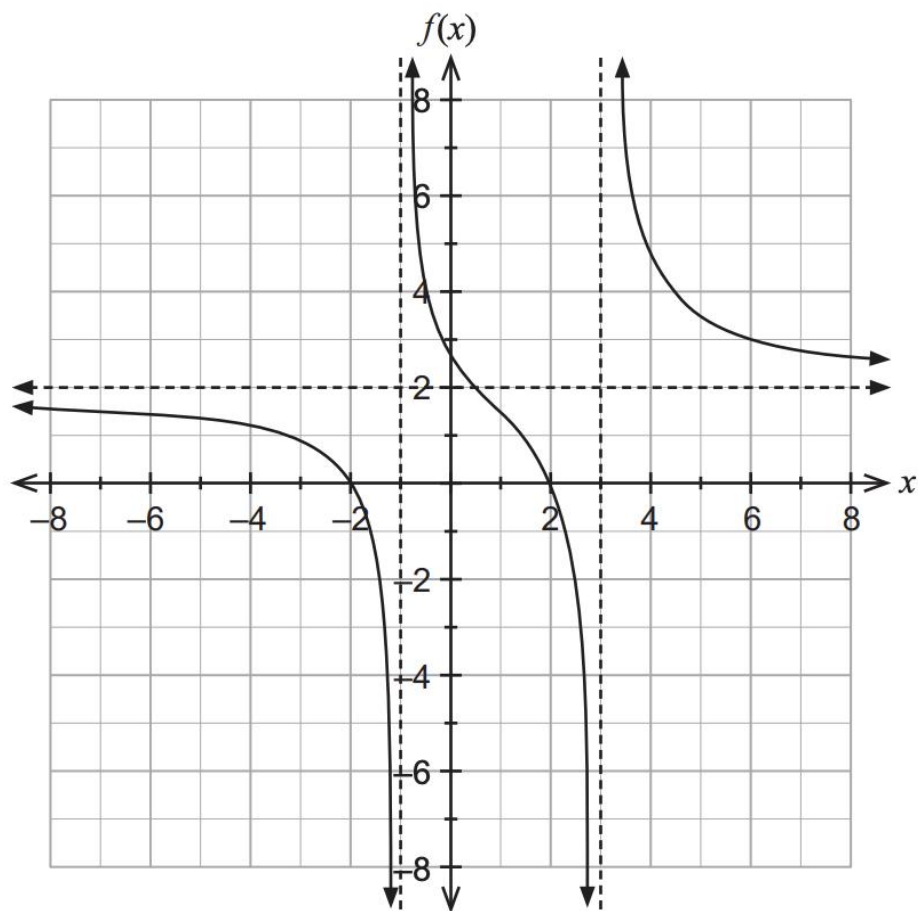


Question 3**(6 marks)**

The graph of $y = f(x)$ is shown on the axes below. The defining rule is given by

$$f(x) = \frac{a(x^2 - b)}{(x + c)(x - d)}$$
 where a , b , c and d are positive constants.



Determine the value of the constants a , b , c and d . Justify your answers.

a	b	c	d