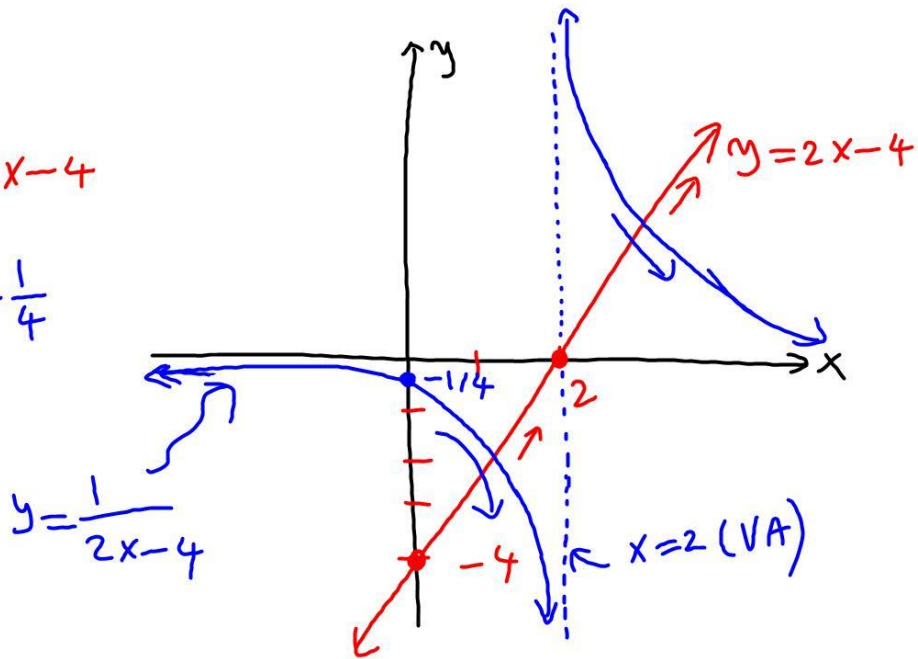


Ex 2

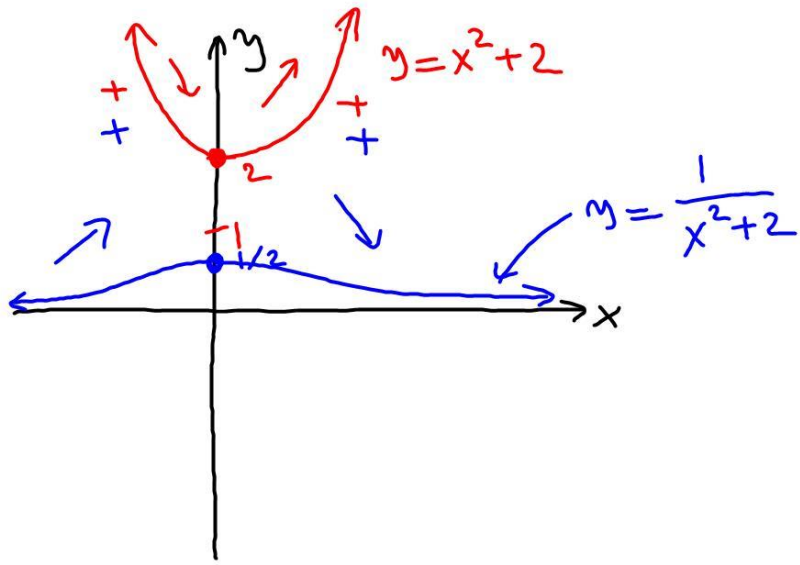
$$f(x) = 2x - 4$$

$$\frac{1}{-4} = -\frac{1}{4}$$



EX3

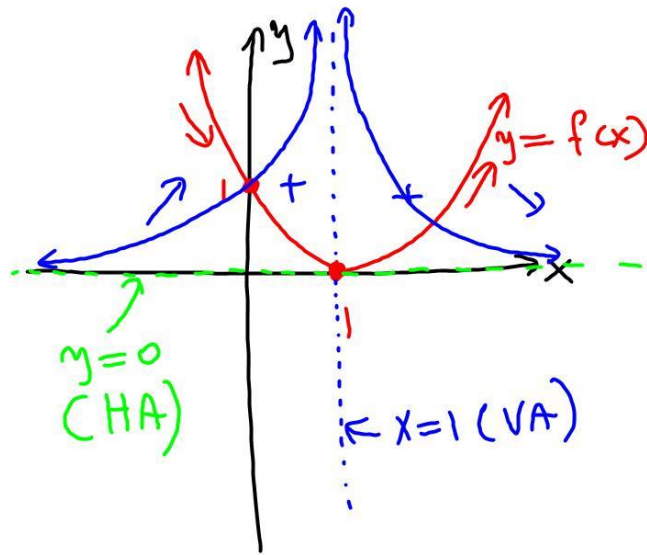
$$f(x) = x^2 + 2$$



EX4

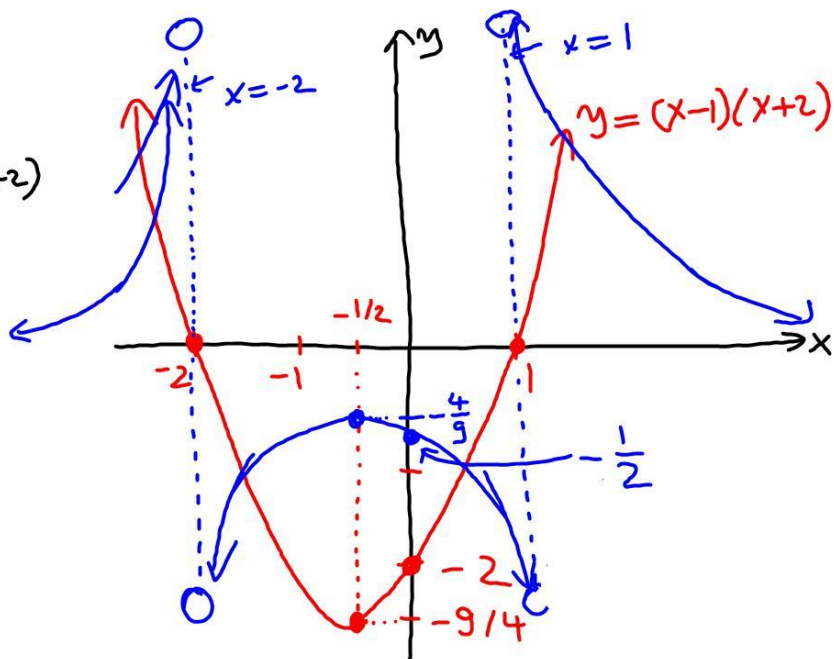
$$f(x) = (x-1)^2$$

$$g(x) = \frac{1}{f(x)} = \frac{1}{(x-1)^2}$$



Ex 5

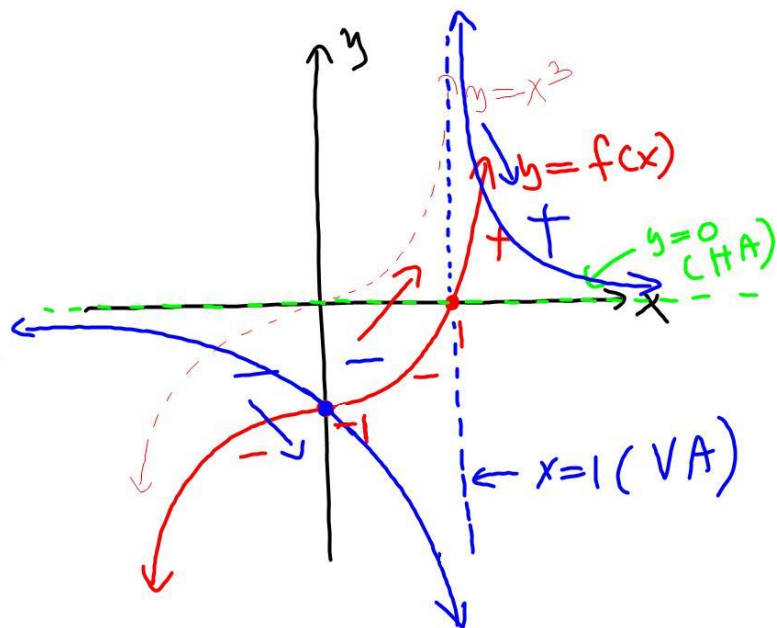
$$f(x) = (x-1)(x+2)$$
$$= x^2 + x - 2$$
$$= \left(x + \frac{1}{2}\right)^2 - \frac{9}{4}$$



Ex 6

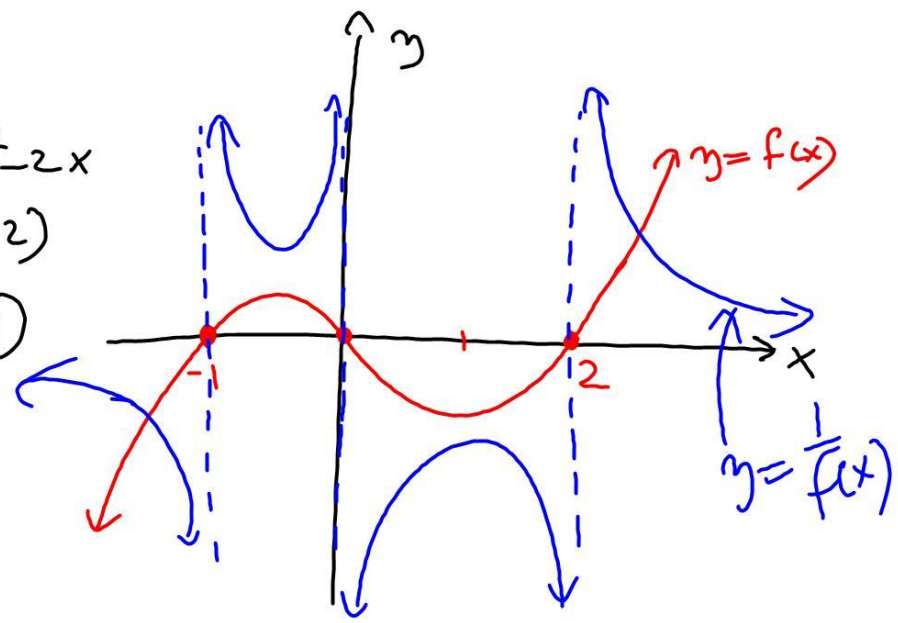
$$f(x) = x^3 - 1$$
$$= (x-1)(x^2 + x + 1)$$

$$g(x) = \frac{1}{f(x)} = \frac{1}{x^3 - 1}$$



Ex 7

$$f(x) = x^3 - x^2 - 2x$$
$$= x(x^2 - x - 2)$$
$$= x(x-2)(x+1)$$



Ex 8

$$f(x) = |x^2 - 4|$$
$$= |(x-2)(x+2)|$$

