Consider the graph of this rational function:

$$w(x) = \frac{(x-1)(x+3)(x-5)}{(x+2)^2(x-4)}$$

Find

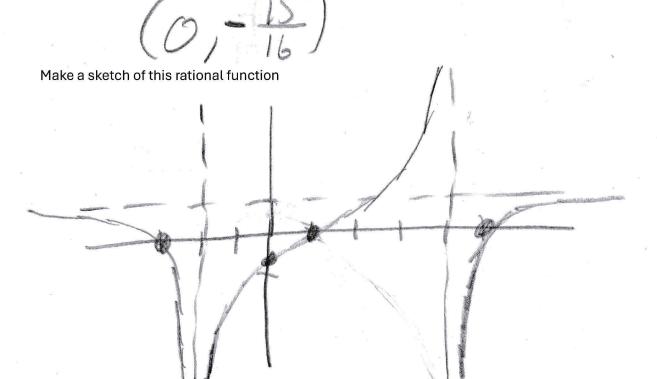
The x-intercepts, if they exist. Write them as ordered pairs (x, y)

Consider the vertical asymptotes. Write them as equations of vertical lines

Does this function have a horizontal asymptote? What is it? Write as the equation of a horizontal line.

Same PINO 81 8=1

Find the y-intercept. Write as an ordered pair (x, y)



	Consider the graph of this rational function:	1	No. Wester
	$y = \frac{x^2 + 3x}{x^2 + 5x + 6}$	ttolea	1
	Find		See of the second secon
	The x-intercepts. Write them as ordered pairs (x, y)		
	× (0,0)		
	Consider the vertical asymptotes. Write them as equati	ions of vertical lines	
	X = -2		San
	Find the y-intercept. Write them as ordered pairs (x, y)		
ý	(O,0)	1 0	
	Make a sketch of this rational Function	17/	9-1
			and the second second
and the second			PA.
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Write a rational function that has these characteristics:

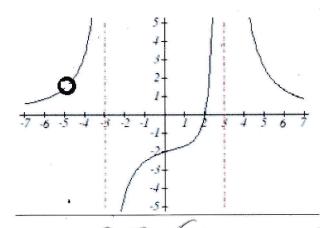
Vertical asymptotes at x = -3 and x = 6

x intercepts at (-2,0) and (1,0)

Horizontal asymptote at y = -2

4 =

Write a rational function that has this graph



A = (X+3)(X-3)(X+2) A = (3+3)(X-3)(X+2) A = (3+3)(X-3)(X+2) A = (3+3)(X-3)(X+2)

27 = 0