

-3	0	0	-1/3	3	1.2
-4	-.0833	0	-3/4	4	.58333
-5	-.0952	-1	-2/3	5	.38095

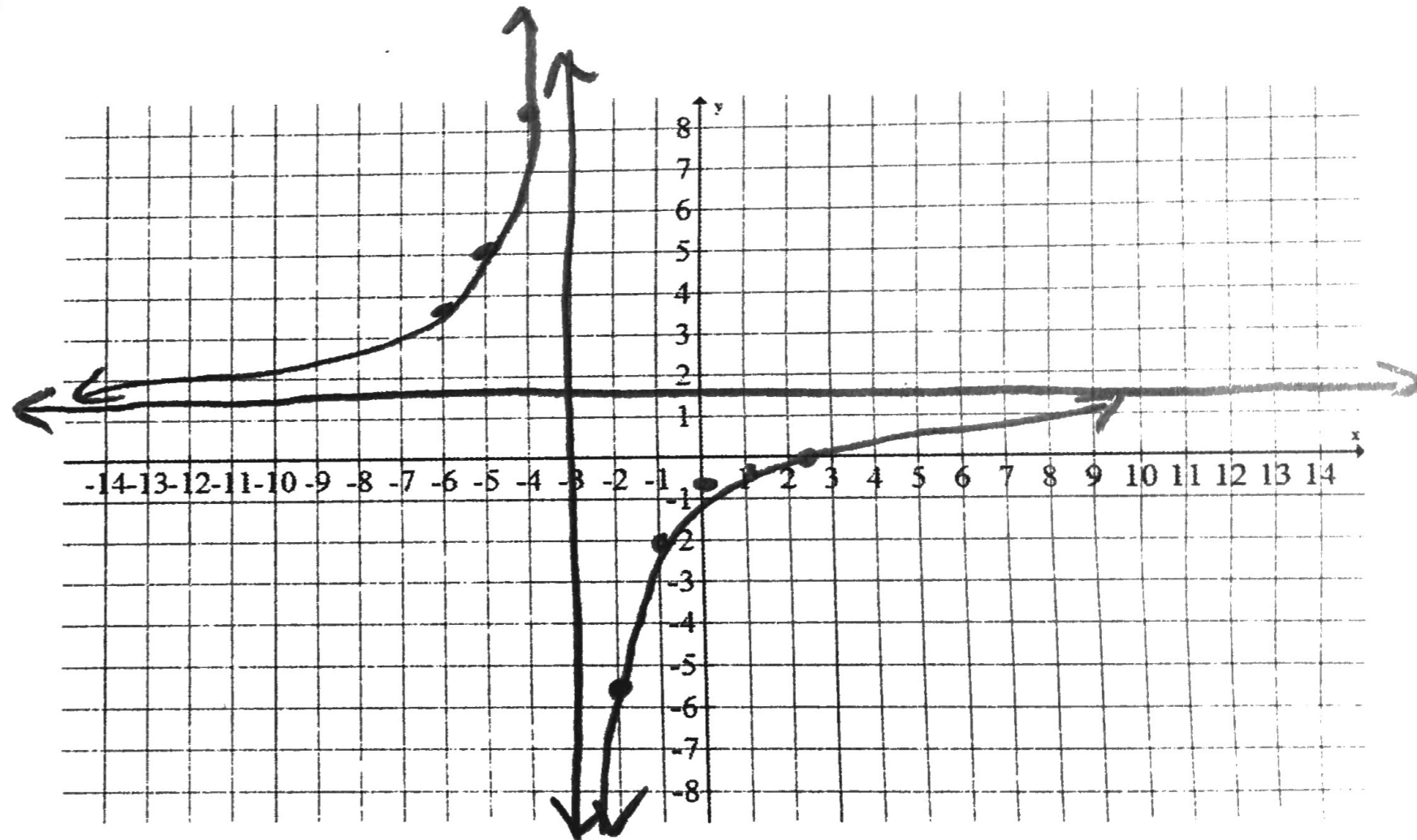
5) $f(x) = \frac{3x-5}{2x+6}$

VA: $x = -3$

HA: $y = 3/2$

Zeroes: $(5/3, 0)$

y-int: $(0, -5/6)$



Domain: $\mathbb{R}, x \neq -3$

Range: $\mathbb{R}, y \neq 3/2$

x	y	x	y
-4	8.5	-2	-3.5
-5	5	-1	-2
-6	3.833	1	-.25

$$-7 \mid 3 \frac{2}{3} \quad -1 \mid 1 \frac{1}{3}$$

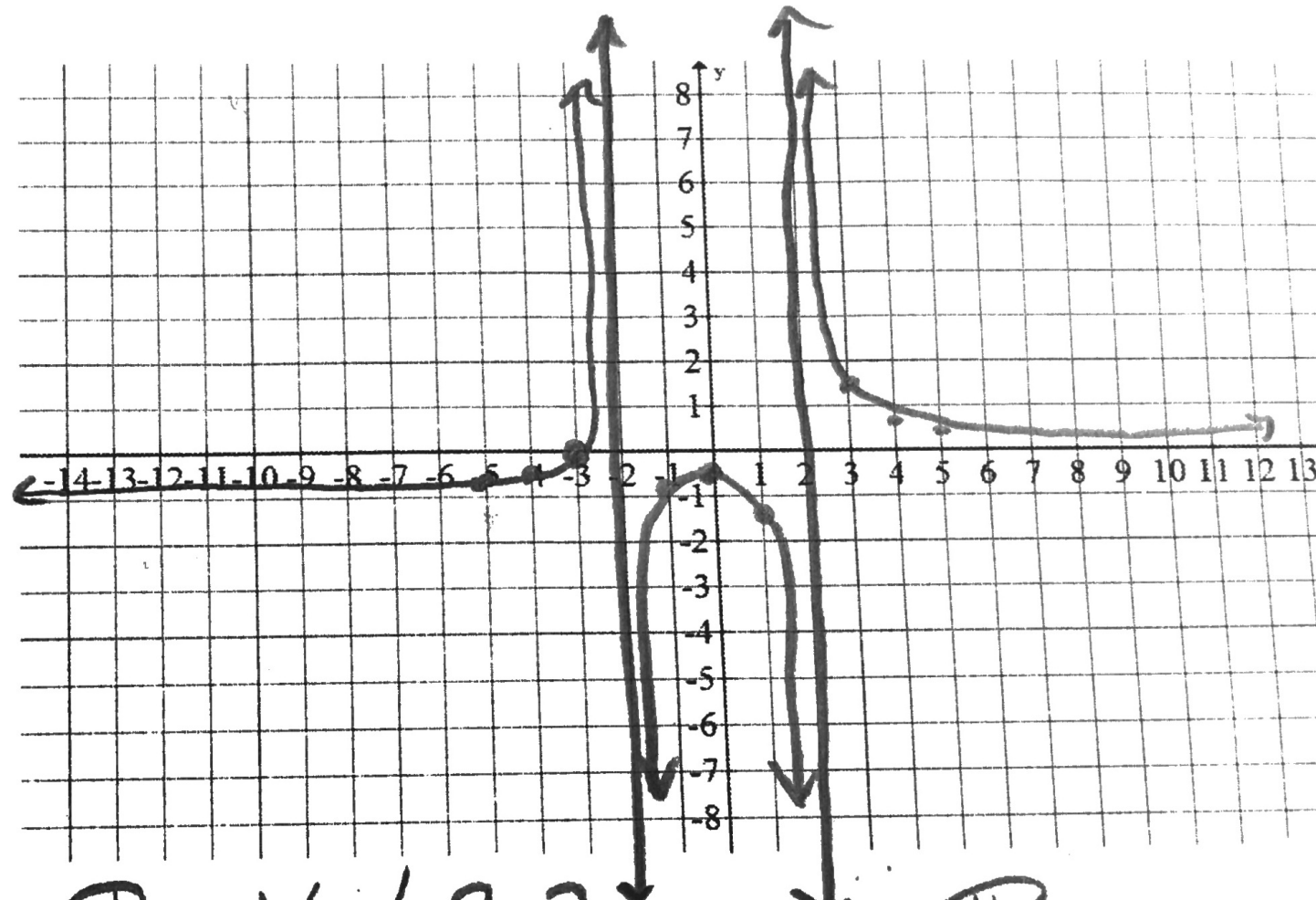
⑥ $f(x) = \frac{x+3}{x^2-4}$

VA: $x=2, x=-2$

HA: $y=0$

Zeroes: $(-3, 0)$

y-int: $(0, -3/4)$

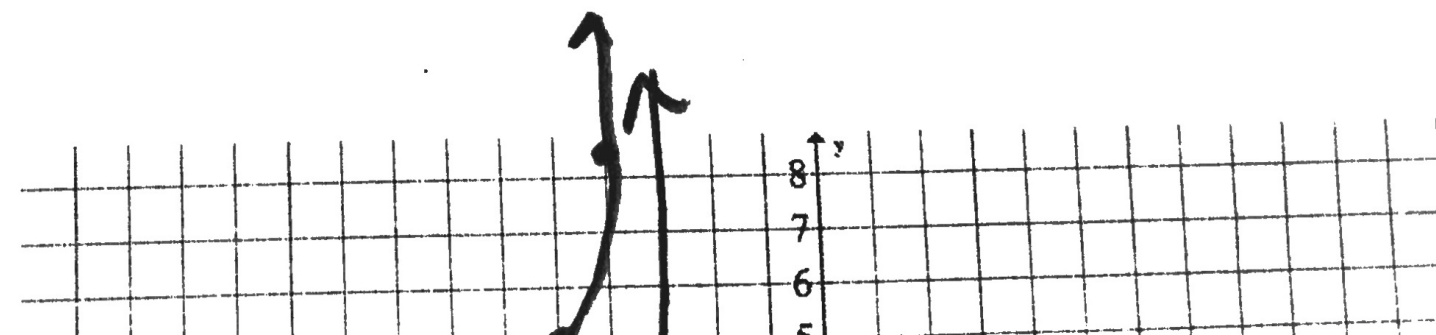


Domain: $\mathbb{R}, x \neq 2, -2$

Range: \mathbb{R}

x	y	x	y	x	y
-3	0	1	-1/3	3	1.2
-4	-0.833	0	-3/4	4	.58333
-5	-0.952	-1	-2/3	5	.38095

5) $f(x) = \frac{3x-5}{2x+6}$



$-5 \mid -7.7637$ $> \mid -9.8$ $\mid 18.1971$

7) $f(x) = \frac{5x}{x^2 - 4}$

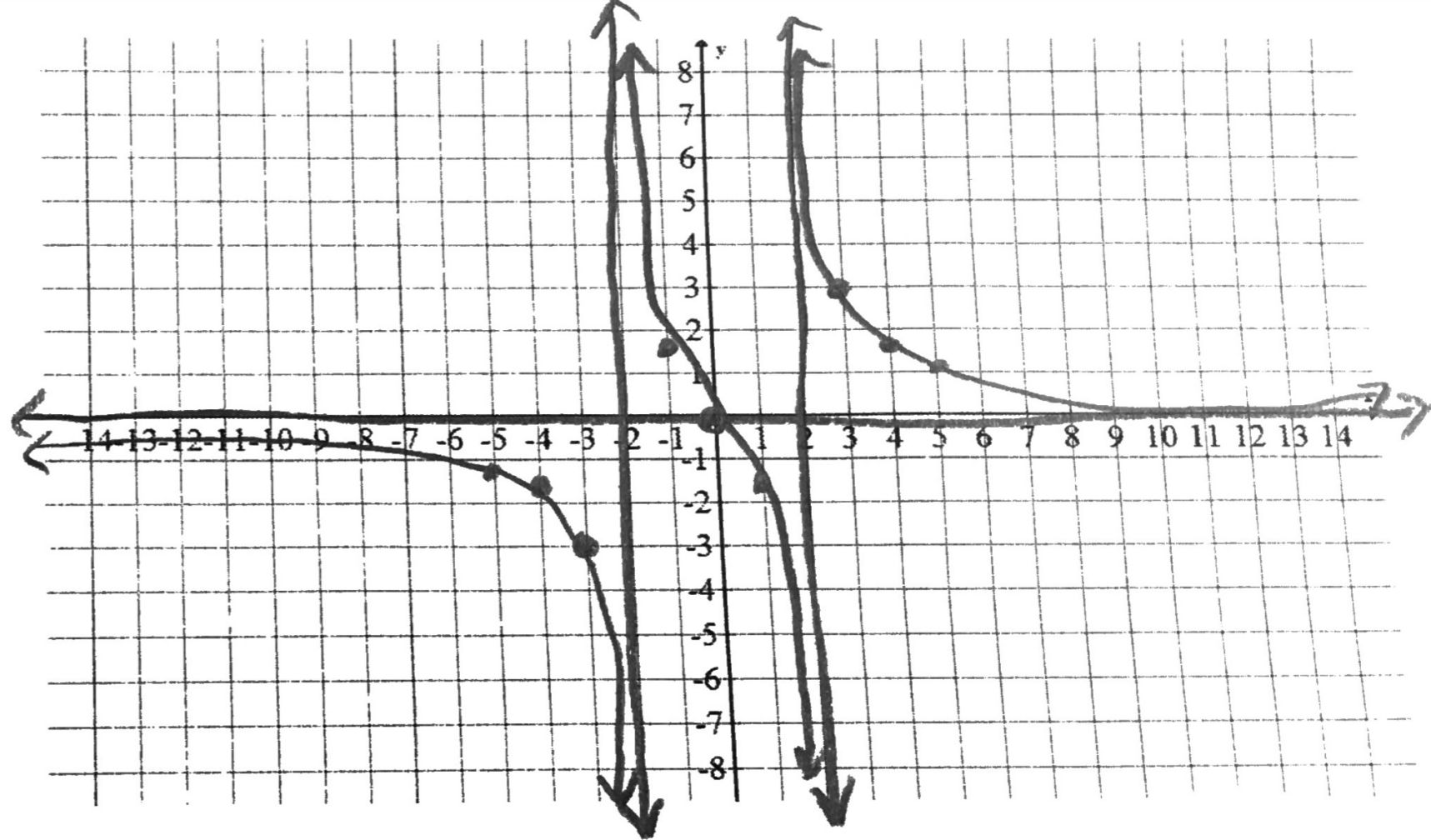
VA: $x = 2, x = -2$

HA: $y = 0$

Zeroes: 0

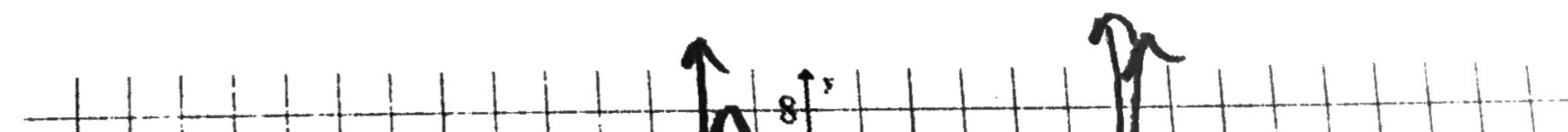
y-int: $(0, 0)$

x	y	x	y	x	y
-3	-3	-1	1.67	3	3
-4	-1.67	0	0	4	1.67
-5	-1.19	1	-1.67	5	1.19



Domain: $\mathbb{R}, x \neq 2, -2$

Range: \mathbb{R}



$$\begin{array}{l|l} 1 & -7.67 & 0 & 0 & 4 & 1.67 \\ 5 & -1.19 & 1 & -1.67 & 5 & 1.19 \end{array}$$

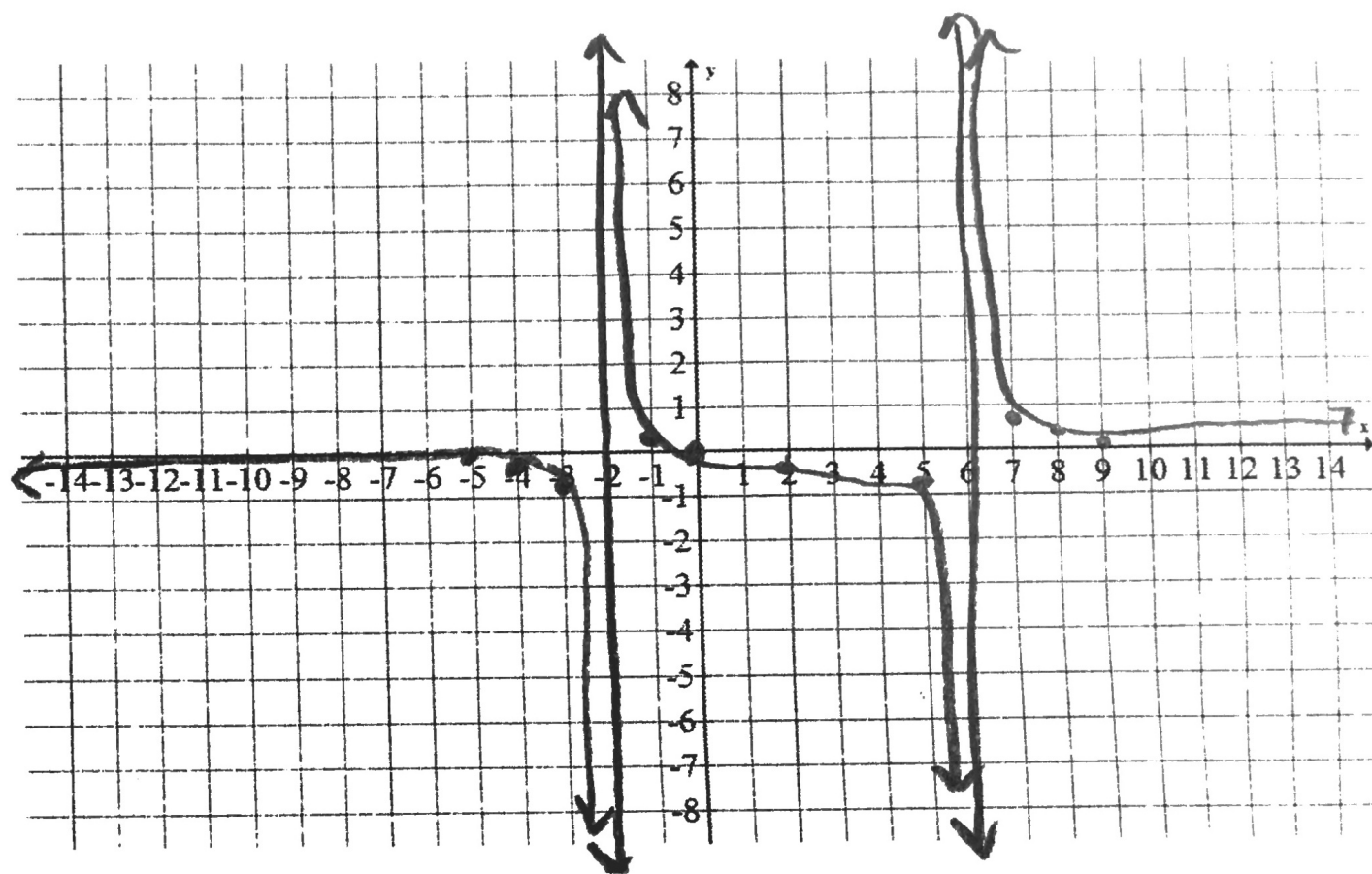
8) $f(x) = \frac{x}{x^2 - 4x - 12} = \frac{x}{(x-6)(x+2)}$

VA: $x=6, x=-2$

HA: $y=0$

Zeroes: 0

y-int: $0, 0$



x	y	x	y	x	y
-3	-1/3	-1	0.14	7	0.78
-4	-1/5	2	-0.125	8	0.4
-5	-0.15	5	-0.714	9	0.27

Domain: $\mathbb{R}, x \neq 6, -2$

Range: \mathbb{R}