Alg2T Ch8

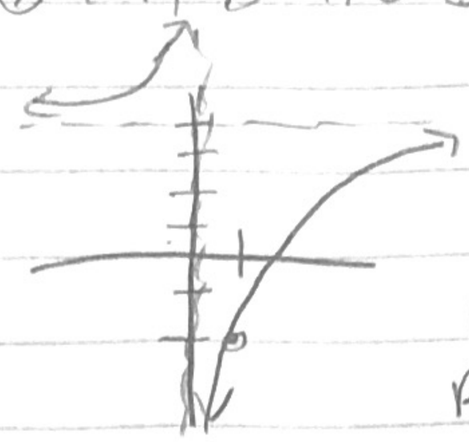
D1

p 561 #16-19, 24, 26, 28-31

(16) VA $x=0$
HA $y=4$

$y=\frac{-6}{x}+4$

x	y
1	-2

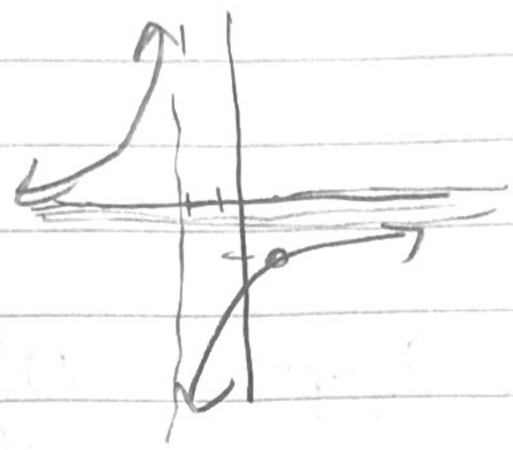


D: $\mathbb{R}$ $x\neq 0$
R: $\mathbb{R}$ $y\neq 4$

(17) VA $x=-2$
HA $y=0$

$y=\frac{-3}{x+2}$

x	y
1	-1

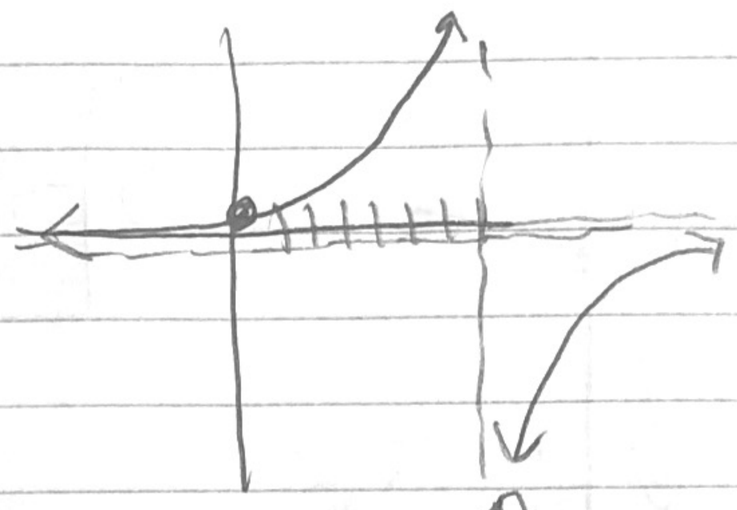


D: $\mathbb{R}$ $x\neq -2$
R: $\mathbb{R}$ $y\neq 0$

(18) VA $x=7$
HA $y=0$

$y=\frac{-2}{x-7}$

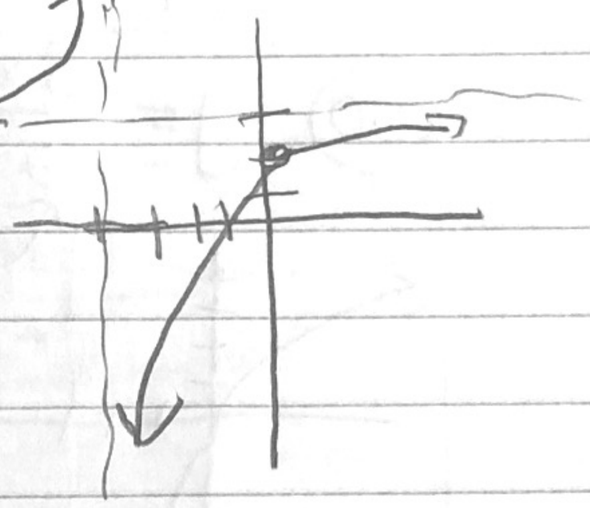
x	y
0	$\frac{2}{7}$



D: $\mathbb{R}$ $x\neq 7$
R: $\mathbb{R}$ $y\neq 0$

(19) $y=\frac{-4}{x+4}+3$ VA $x=-4$
HA $y=3$

x	y
0	2



(24) reflect across
shift 4 left
shift 4 up

(26) VA X should be positive!

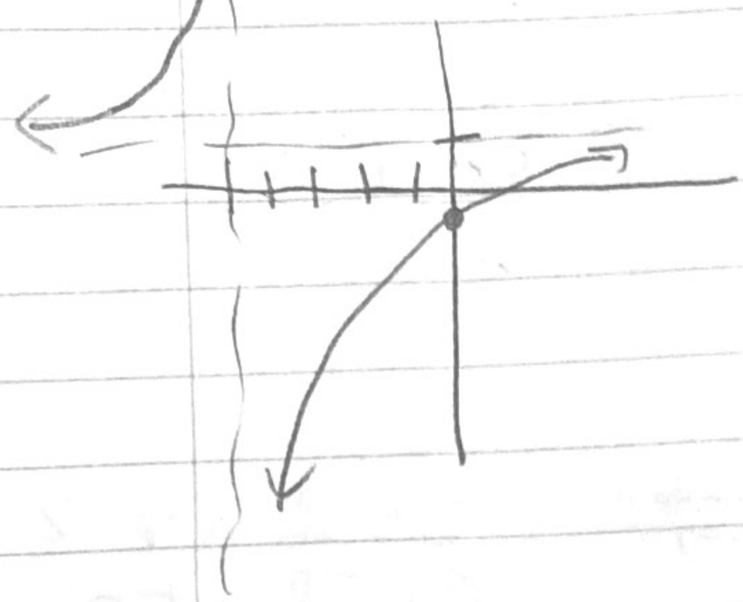
(28) $y = \frac{x-1}{x+5}$

VA $x = -5$

HA $y = 1$

D: $\mathbb{R}$ $x \neq -5$

R: $\mathbb{R}$ $y \neq 1$



x	y
0	$-\frac{1}{5}$

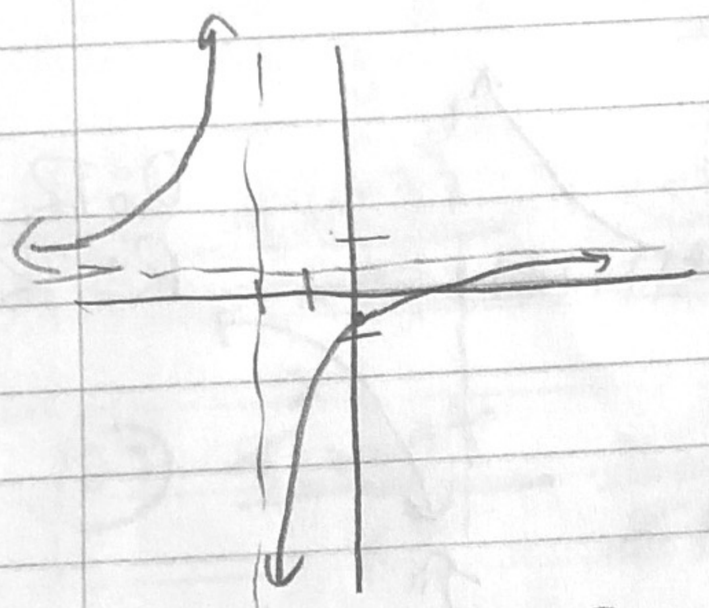
(29) $y = \frac{x+6}{4x-8}$

VA $x = 2$

HA $y = \frac{1}{4}$

D: $\mathbb{R}$ $x \neq 2$

R: $\mathbb{R}$ $y \neq \frac{1}{4}$



x	y
0	$-\frac{3}{4}$

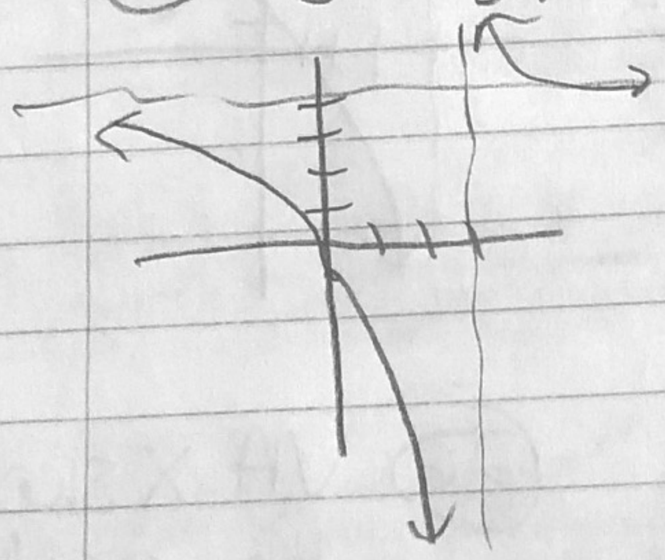
(30) $y = \frac{8x+3}{2x-6}$

VA $x = 3$

HA $y = 4$

D: $\mathbb{R}$ $x \neq 3$

R: $\mathbb{R}$ $y = 4$



x	y
0	$-\frac{1}{2}$

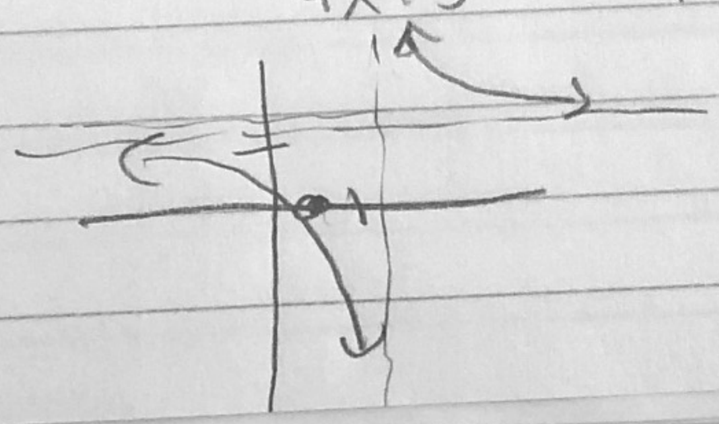
(31) $y = \frac{-5x+2}{4x+5}$

VA $x = \frac{-5}{4}$

HA $y = \frac{-5}{4}$

D: $\mathbb{R}$ $x \neq \frac{-5}{4}$

R: $\mathbb{R}$ $y \neq \frac{-5}{4}$



x	y
0	$\frac{2}{5}$