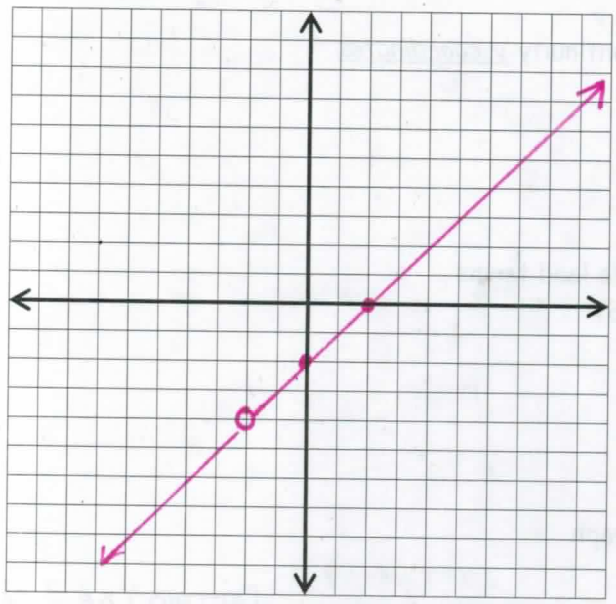
D: $x \neq -2$

1. $f(x) = \dfrac{x^2-4}{x+2} = \dfrac{(x+2)(x-2)}{(x+2)} = x-2$

RD: $(-2,-4)$
x-int $(2,0)$
y-int $(0,-2)$

VASY none
HASY none



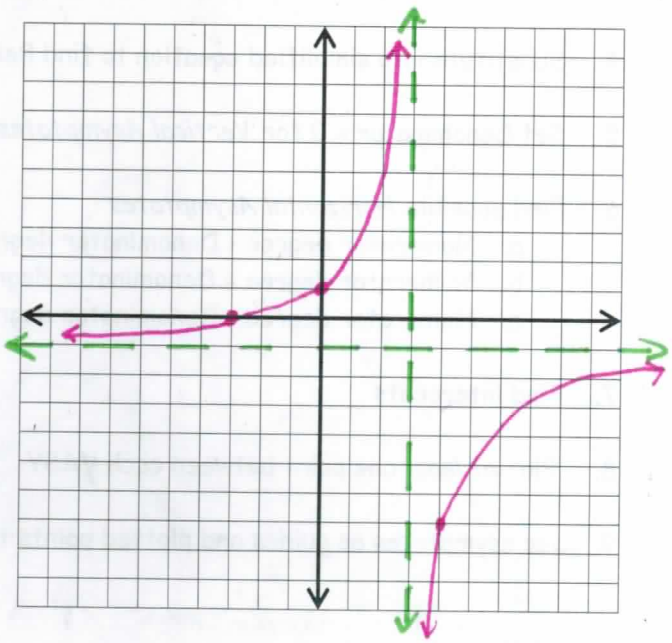
D: $x \neq 3$

2. $f(x) = \dfrac{3+x}{3-x}$

VASY $x=3$
HASY $y=-1$

x-int $(-3,0)$
y-int $(0,1)$

x	y
4	-7



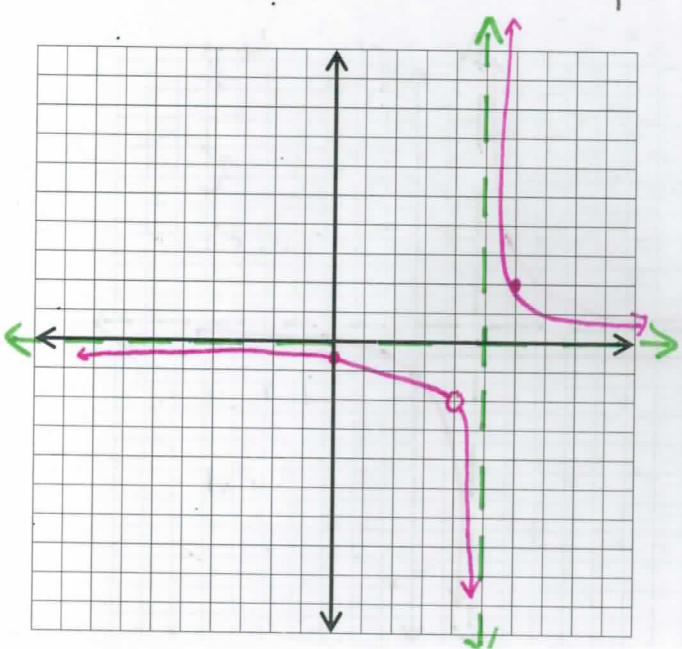
3. $f(x) = \dfrac{2x-8}{x^2-9x+20} = \dfrac{2(x-4)}{(x-4)(x-5)} = \dfrac{2}{x-5}$

D: $x \neq 4, 5$

RD $(4,-2)$
VASY $x=5$
HASY $y=0$

x-int none
y-int $(0,-2/5)$

x	y
6	2



4. $f(x) = \dfrac{4}{x^2}$ D: $x \neq 0$

VASY $x=0$
HASY $y=0$
x-int none
y-int none

x	y
1	4
2	1
-1	4
-2	1