BOARD NOTES

23 JANUARY 2020

2) -5

4) 5

6) -1

8) -1

10) $-\frac{12}{7}$

$$\frac{x-24}{2x^2-9x-18} = \frac{x}{x-6} - \frac{2x}{2x+3}$$

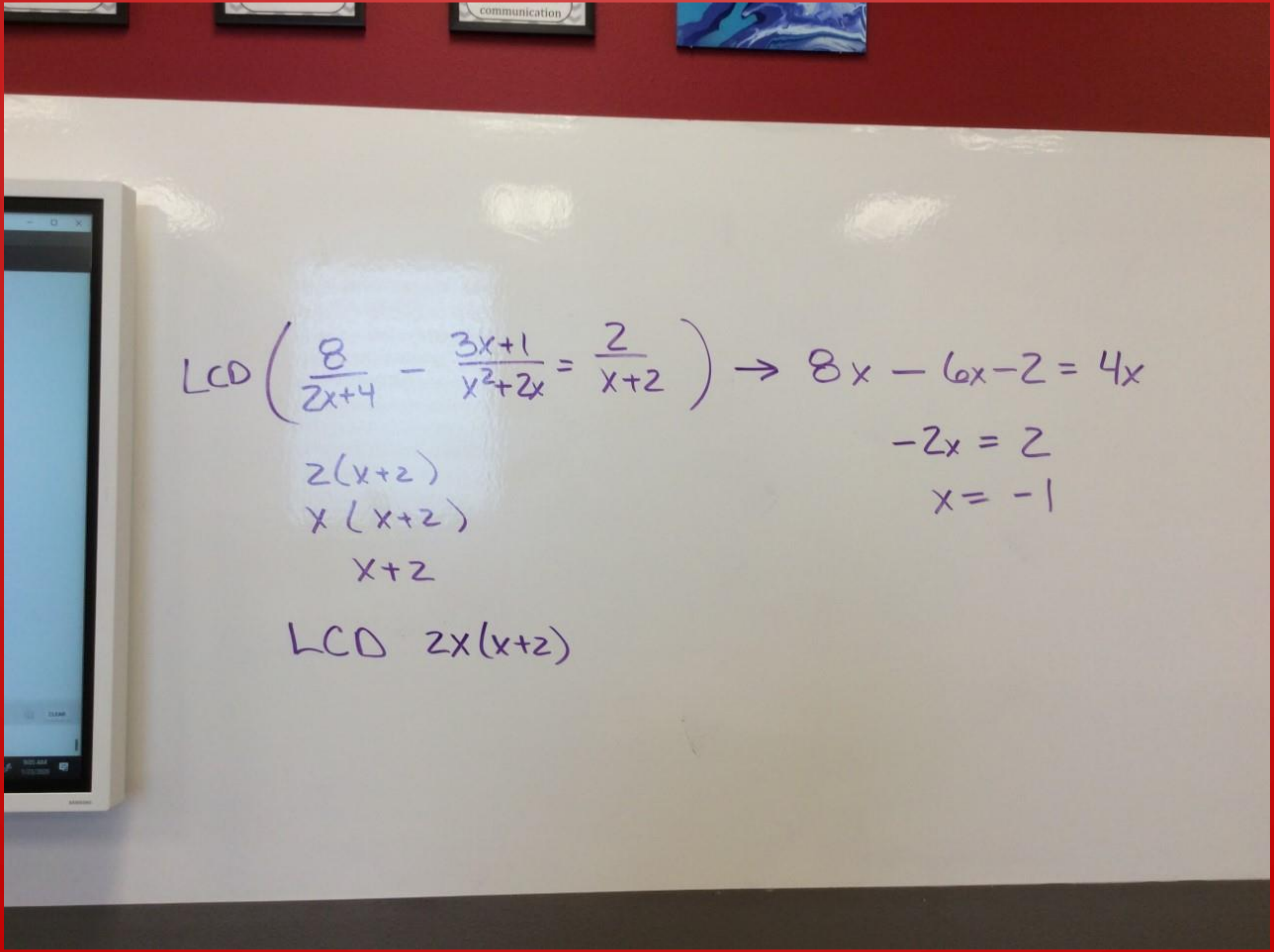
$$2x^2-9x-18 = (x-6)(2x+3)$$

$$x-24 = x(2x+3) - 2x(x-6)$$

$$x-24 = 2x^2+3x-2x^2+12x$$

$$14x = -24$$

$$x = -\frac{12}{7}$$


communication
$LCD\left(\frac{8}{2x+4} - \frac{3x+1}{x^2+2x} = \frac{2}{x+2}\right) \rightarrow 8x - 6x - 2 = 4x$
$-2x = 2$
$x = -1$
$2(x+2)$
$x(x+2)$
$x+2$
$LCD \quad 2x(x+2)$

2A.7 (F) determine the sum, difference, product, and quotient of rational expressions with integral exponents of degree one and of degree two;

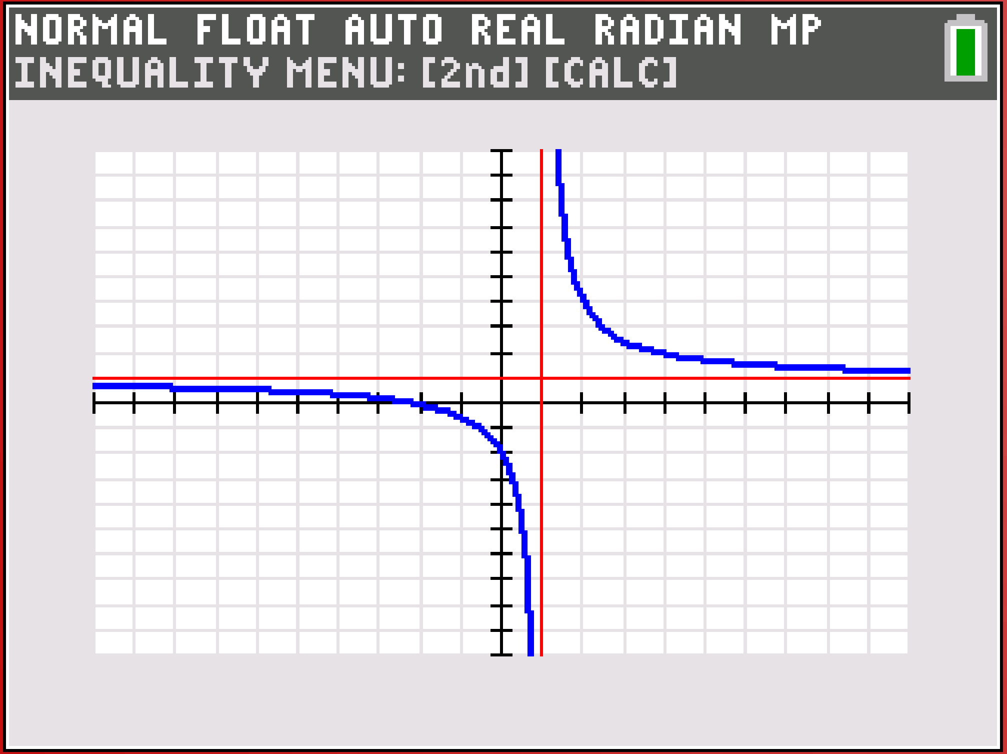
We will be able to graph rational functions.

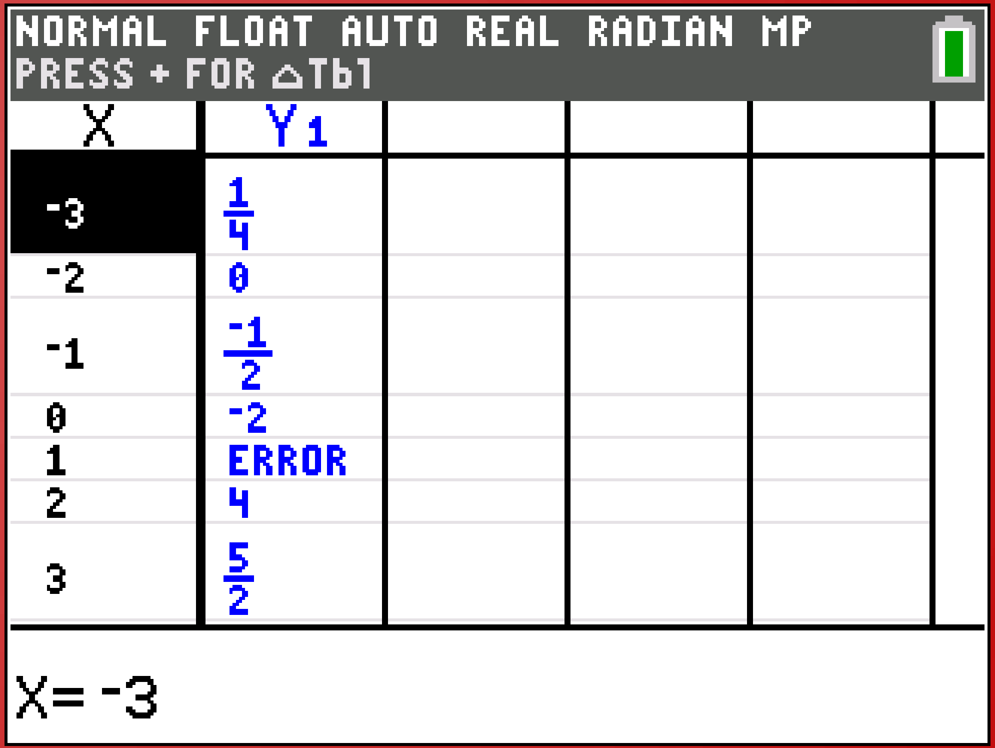
WHAT WE NEED:

- TI-84

I WILL BE ABLE TO COMPLETE MY HOMEWORK GIVEN THE

- Equation

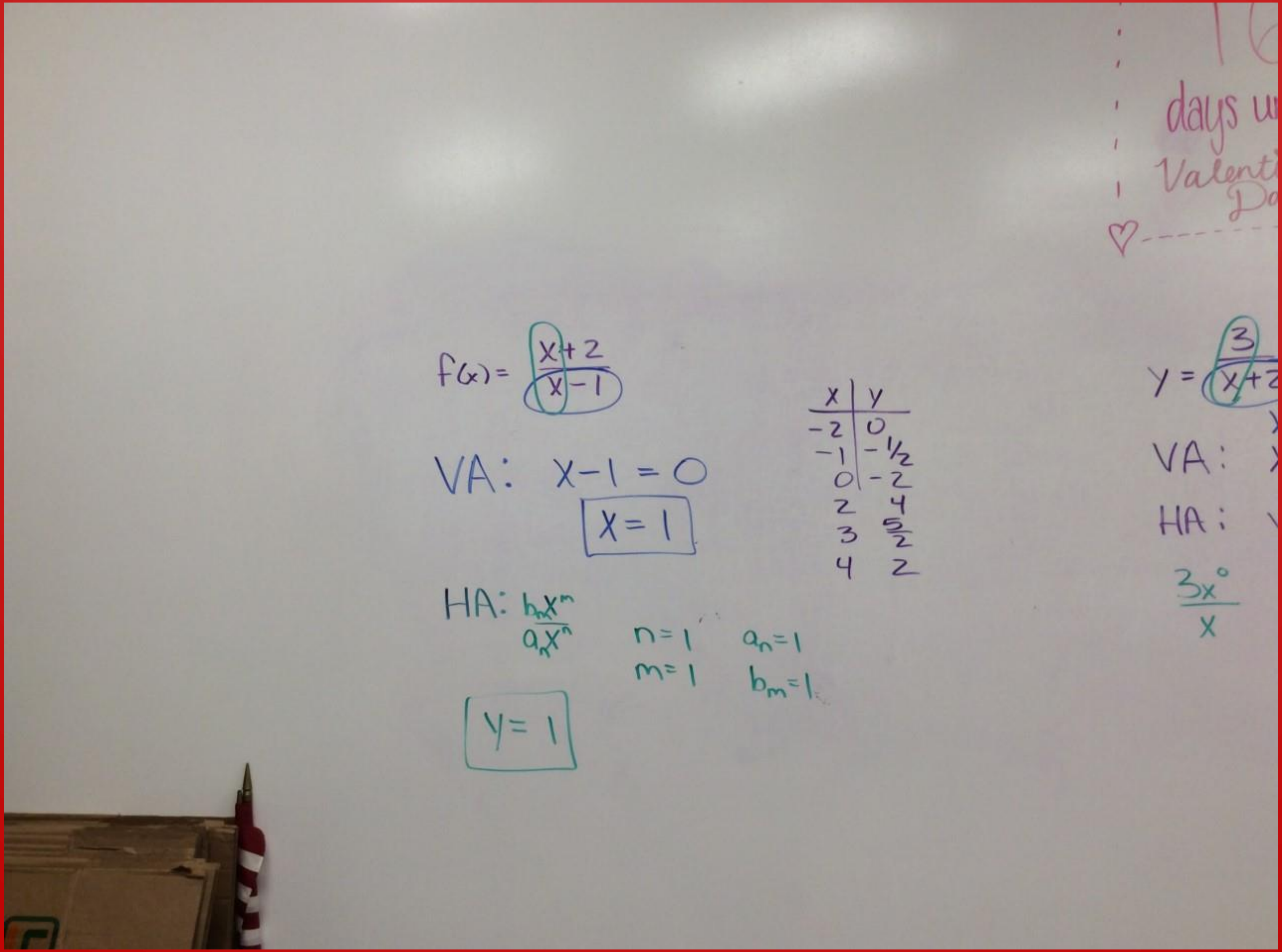




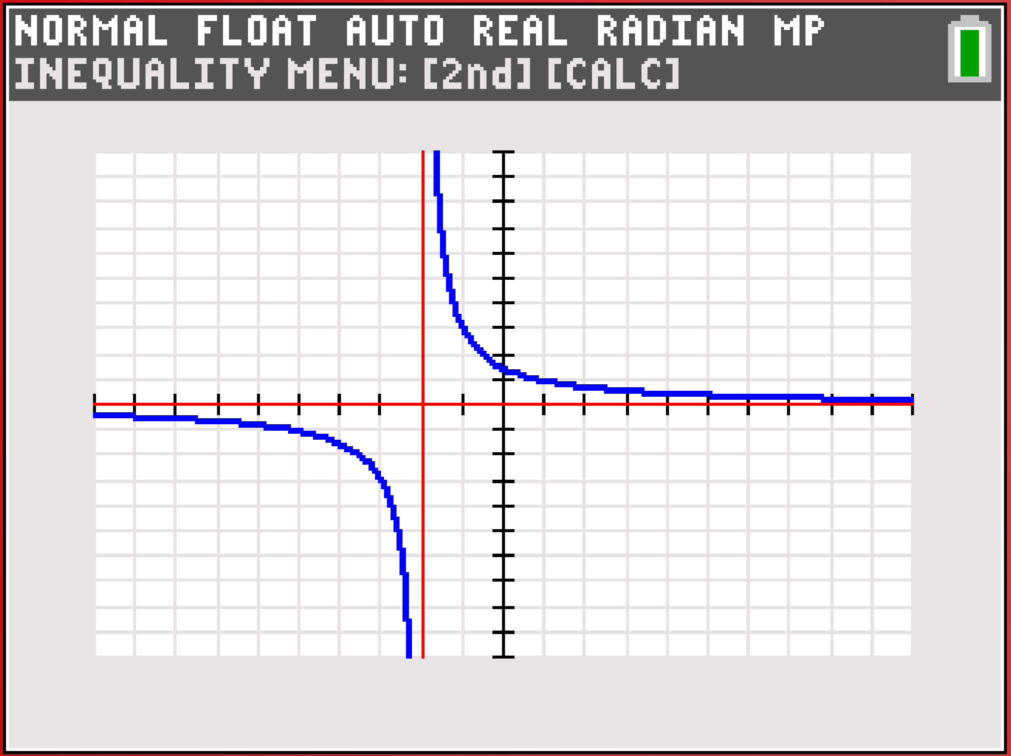
$$f(x) = \frac{x+2}{x-1}$$

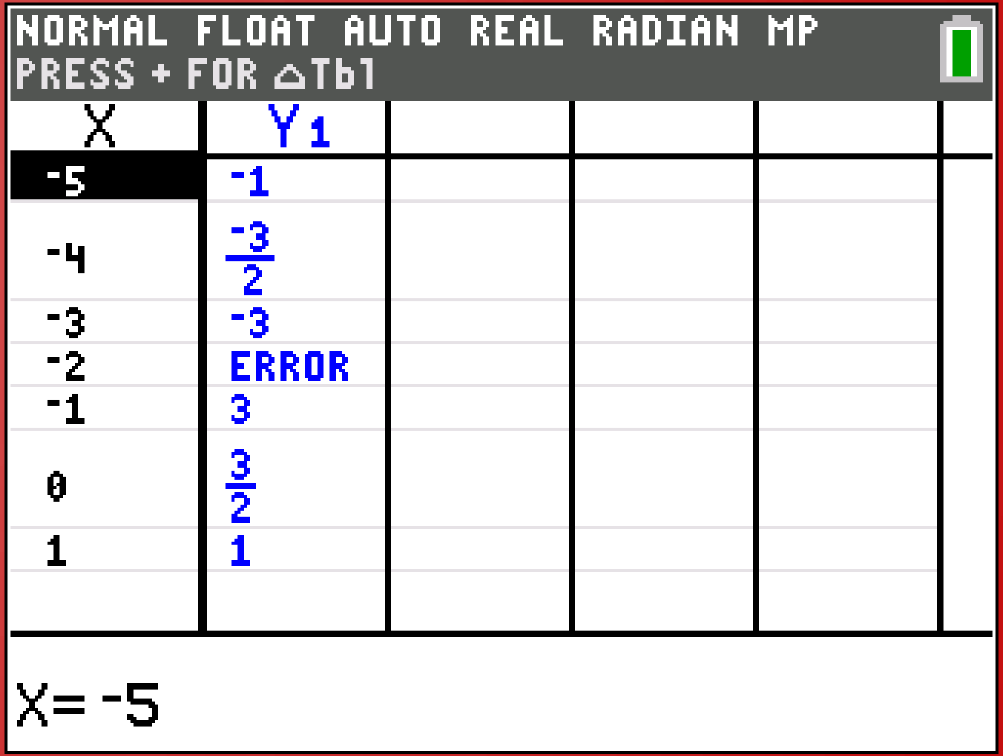
$VA: x = 1$

$HA: y = 1$



f(x) = (x+2)/(x-1)
VA: x-1 = 0
x = 1
HA: bₘxᵐ / aₙxⁿ
n=1 aₙ=1
m=1 bₘ=1
y = 1
x y
-2 0
-1 -1/2
0 -2
2 4
3 5/2
4 2
days
y = 3/(x+2
VA:
HA:
3x⁰/x




NORMAL FLOAT AUTO REAL RADIAN MP
PRESS + FOR △Tbl

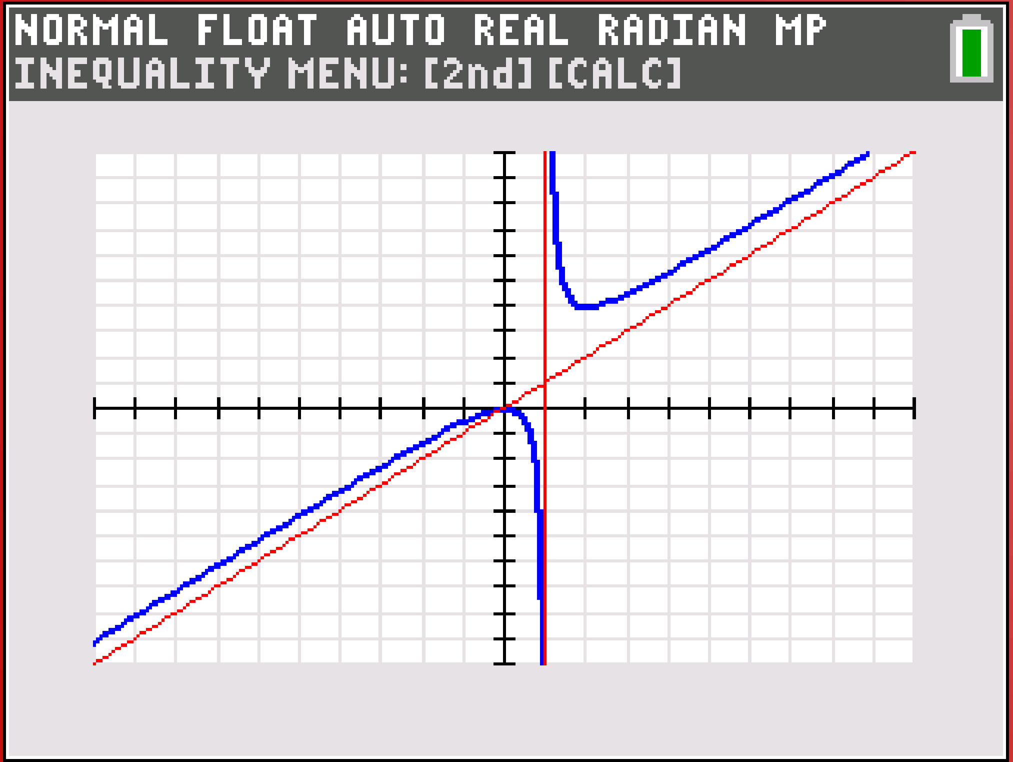
X	Y1
-5	-1
-4	$\frac{-3}{2}$
-3	-3
-2	ERROR
-1	3
0	$\frac{3}{2}$
1	1

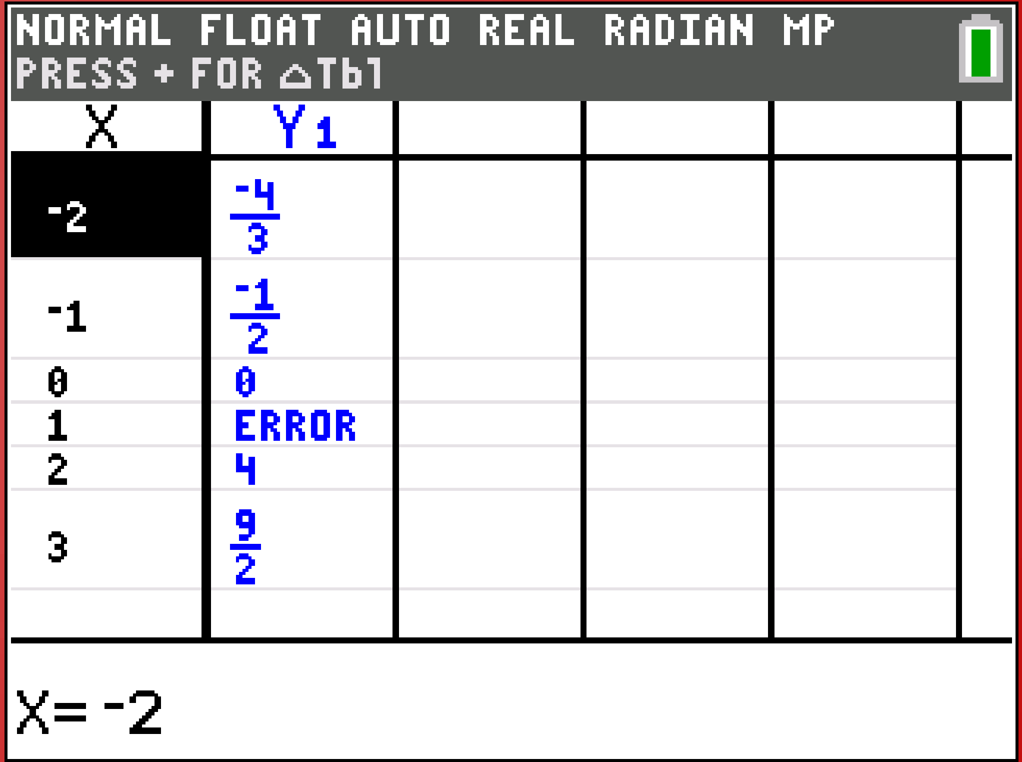
X= -5

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

$VA: x = -2$

$HA: y = 0$





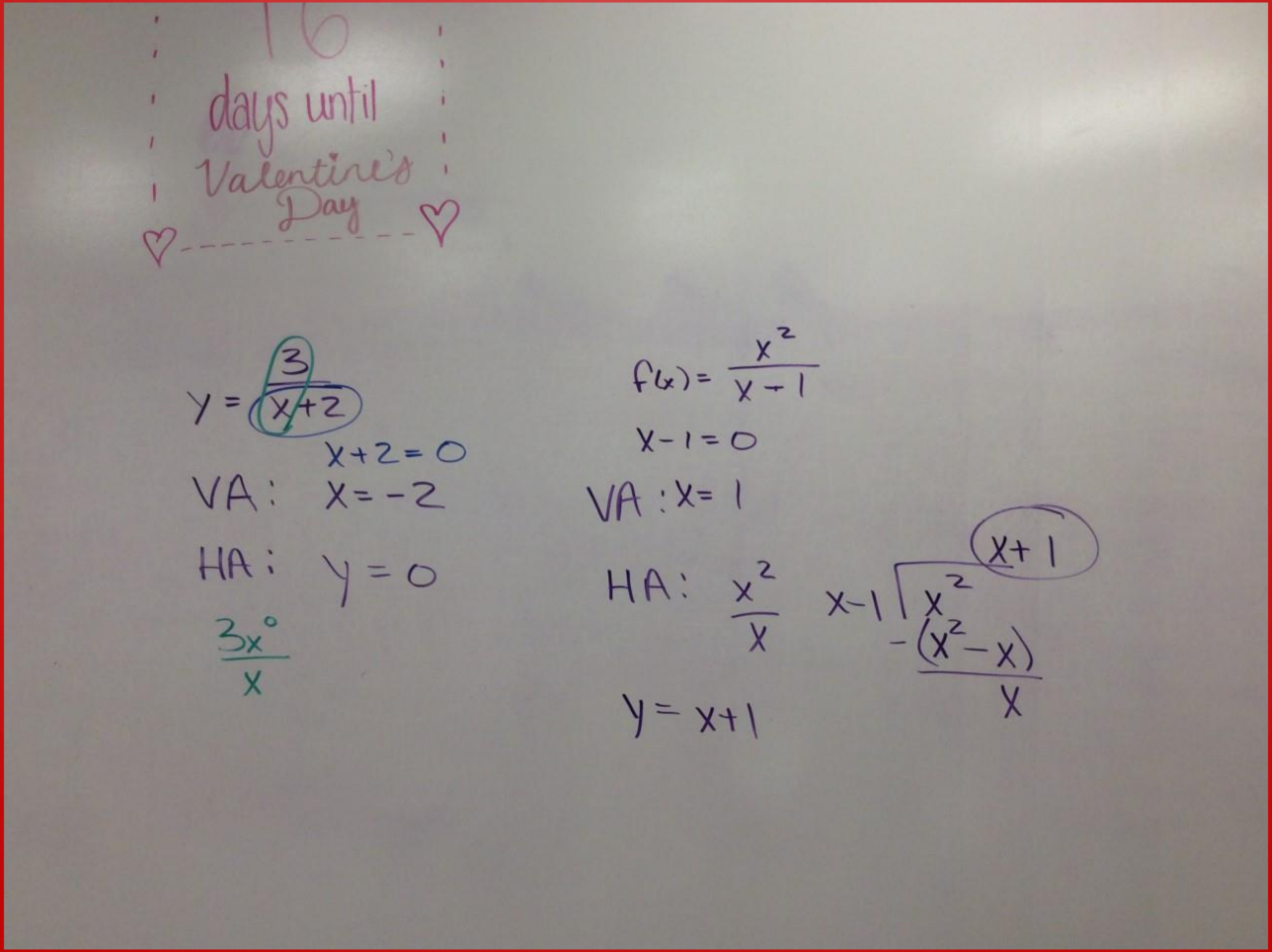
X	Y_1
-2	$\frac{-4}{3}$
-1	$\frac{-1}{2}$
0	0
1	ERROR
2	4
3	$\frac{9}{2}$

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

$VA: x = 1$

$HA: None$

$SA: y = x + 1$


16
days until
Valentine's
Day
$y = \frac{3}{x+2}$
$x+2=0$
VA: $x=-2$
HA: $y=0$
$\frac{3x^0}{x}$
$f(x) = \frac{x^2}{x-1}$
$x-1=0$
VA: $x=1$
HA: $\frac{x^2}{x}$
$x-1 \overline{)\,x^2}$
$x+1$
$-(x^2-x)$
x
$y=x+1$