HVV Questions

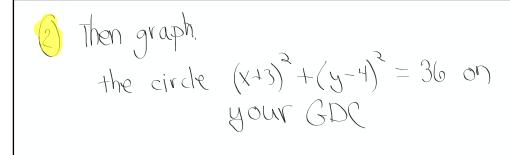
Find the center and radius

of
$$\chi^2 + y^2 - 8x + 10y = -5$$

Then graph,
the circle
$$(x+3)^2 + (y-4)^2 = 36$$
 on
your GDC

$$(1) x^2 + y^2 - 8x + 10y = -5$$

3 graph on your calculator



j

Suestions 50->

3-54) C(rcle

a) Center (0,0)

$$r = 6$$

b) Center (2,-3)

 $r = 6$
 $r = 6$
 $(x-2)^2 + (y+3)^2 = 36$
 $r = 6$

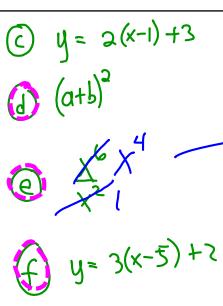
$$45a) (n+4) + n(n+2) + n = 0$$

$$n+4 + n^{2}+2n + n = 0$$

$$n^{2}+4n+4 = 0$$

b)
$$\frac{4}{x} = x + 3$$

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





j

49 a.
$$t(n) = 459,000 (1.03)^n$$

b. $t(n) = 450,000 (1.03)^n = $604,732.37$

Profit: 604732.37
 $-450000.762.37$
 154767.37
 450000 = .343916. 34.39.

$$\frac{46b}{3x-4y=12}$$

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

$$(ab)^{2} = ab \cdot ab$$

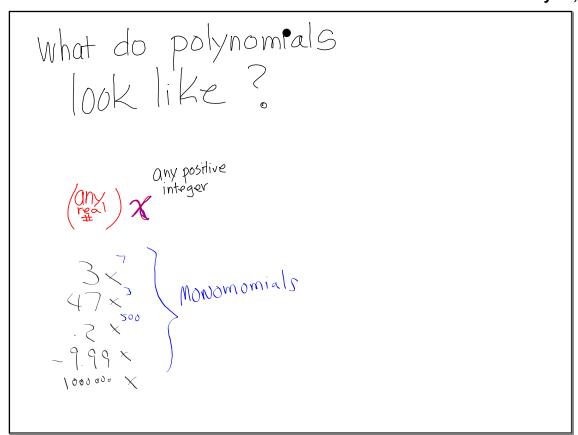
$$= a \cdot a \cdot b \cdot b$$

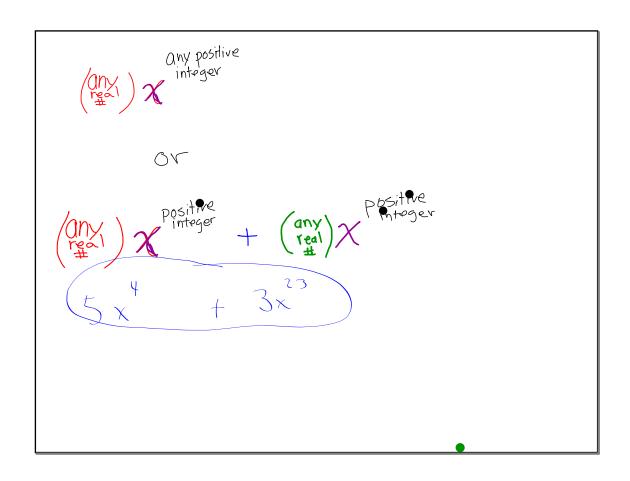
$$= a^{2}b^{2}$$

$$54c)$$
 $\chi^2 + y^2 + 8x + 10y + 5 = 6$



February 07, 2019





Need to be in pairs

One person in the pair will be an A

The other a B

Each pair will investigate
4 combinations of the same
two functions

- one paper per pair
- One calculator per pair
- rotate responsibilities. Writer & GDC

Pair #1

Person A

Person B

Person B

Person B

Our two functions: f(x) = x-2 g(x) = 2x+3(1) A writes
B does part c

On GIX

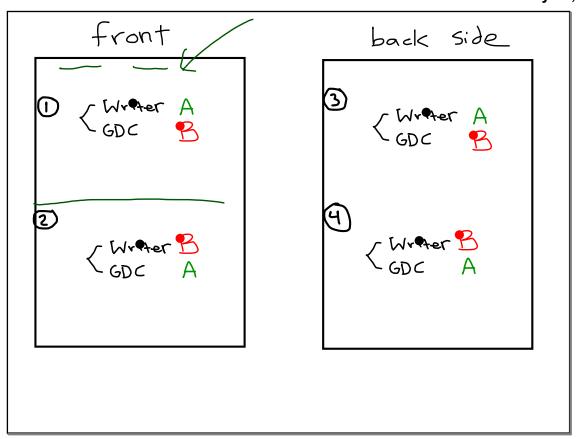
A perform the operation shown (simplify if possible) (x-2) + (2x+3)b) Prediction of graph of f(x) + g(x) on GIX

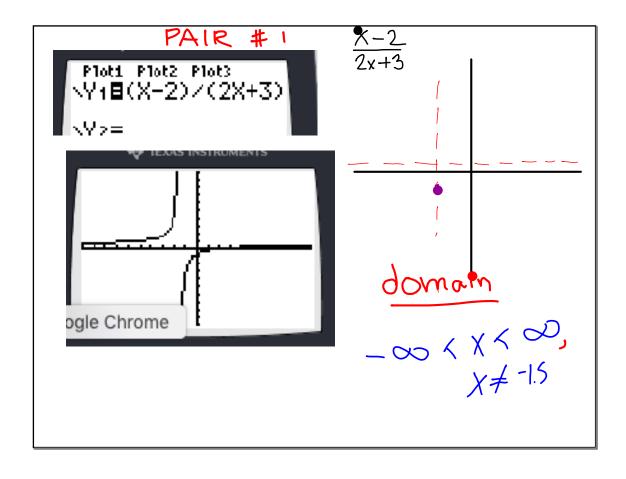
Then sketch

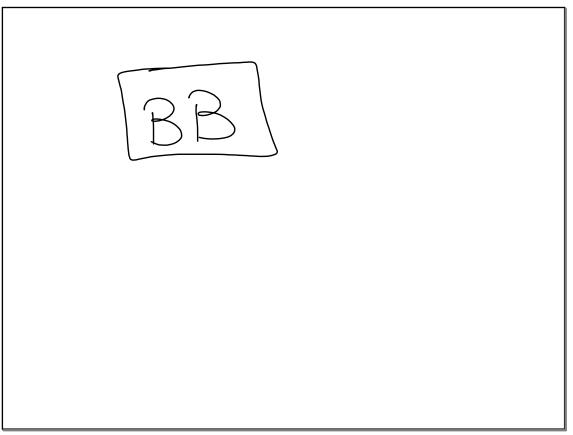
Then sketch

$$f(x) = 3x - 7$$
 $g(x) = 10x - 1$

$$f(x) \cdot g(x) = \frac{f(x)}{g(x)} =$$







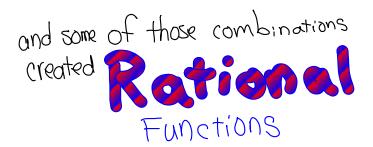


Vesterday you took two functions g(x) = 4x-6 f(x) = 0

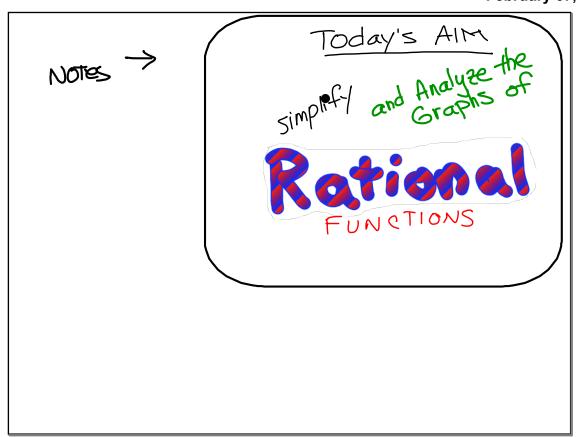
f(x) = 2x+3

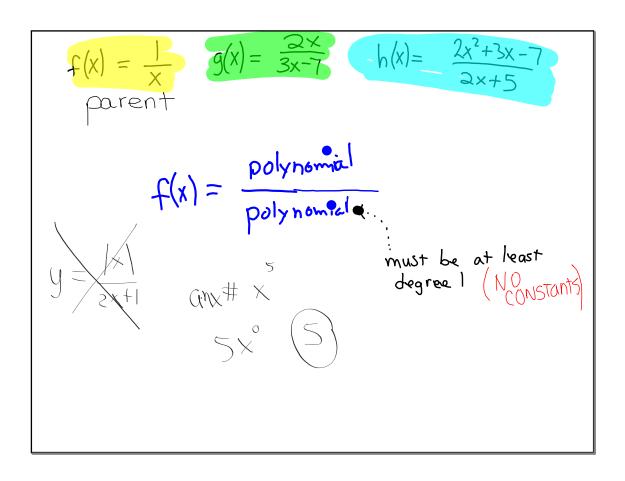
and combined them in various ways

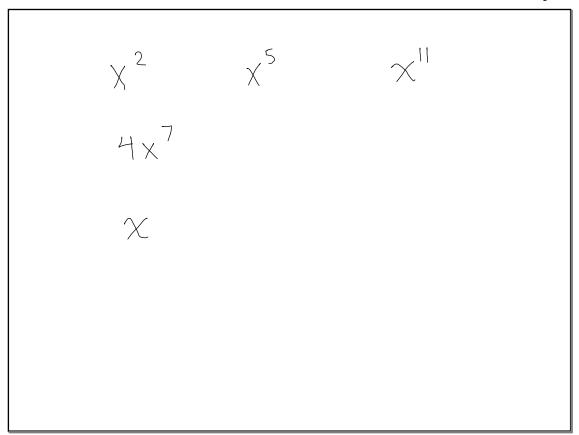
and combined them in various ways

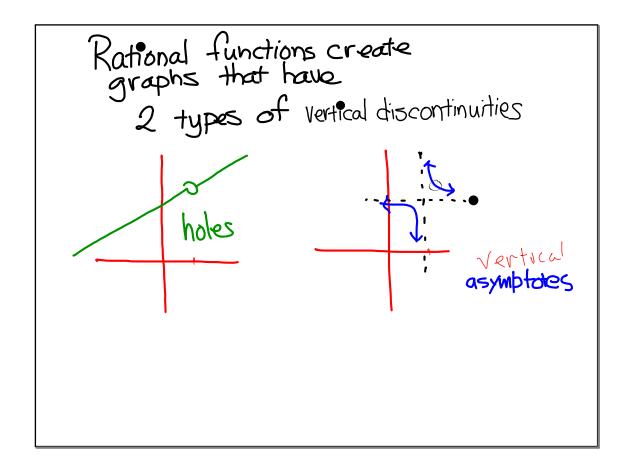


$$\frac{2x+3}{4x-3}$$









• Check your answers by referring to the	
<u>Checkpoint 3A materials</u> section of the	
answers.	
• If you feel that you need more confidence	ce
when solving these types of problems,	, then
review the <u>Checkpoint 3A materials</u> and	nd try
the practice problems provided. From	this
point on, you will be expected to do political like these correctly and with confidence	roblems
like these correctly and with confident	Je.

j

turn in your investigation

Assignment 3 63 to 69

67 % a Checkpoint problem

$$f(x) = X-2$$

$$g(x) = 2x+3$$

Part A
$$g(x) = 2x + 3$$

Pair B
$$f(x) = X-3$$

 $g(x) = 5x-9$