

Prof. Agnes (A²) Azzolino www.mathnstuff.com/math/math.htm

Hello,

This is your quiz. All I need handed in is the sketch of question # 20.

This first page is instructions.

The 2nd and 3rd pages are notes on the graphing of functions. Basic or "Parent" functions are the first 8 functions found at: http://www.mathnstuff.com/math/spoken/here/2class/300/fx/300fx/graphs/FXallWIDE.jpg

The 2nd page explains how the expressions and the graphs are related, how the "children" or more complicated functions are generated from "parent" functions.

The 3rdh page provides practice graphs and 4^{th} the answers to page 3 problems.

The 5th page has the 1 question quiz..

Email a completed page 5 ONLY

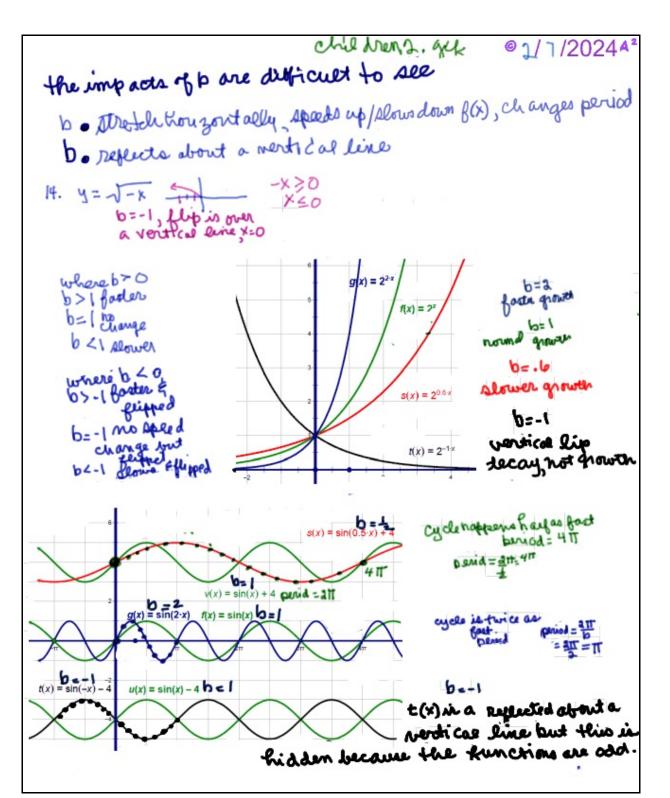
Rename the file as ##.First.Last.Qnumber.

Attach it to an email by 11:59 pm this Friday night.

Mail the quiz to either <u>green@mathnstuff.com</u> or purple@mathnstuff.com.

Stay safe, a^2

chil Man 1. gif @2/7/2024 Create "Children" Functions y= a f(6x-c)+d a = dilates - stretches, shrinks, reflects about a horizontal line + think "slope" 3. y = 2 |x | 4. y = - 1x 5. y = -x2 4 = 2x a. 4= 2x reflected about refl peatter steeper steeper a horizontal about a than ye |x than gex than yex hori zontalline d= range change - if d=0 no translation/shift in the vertical do shifted up d <0 shifted down 7. y= /x/+1 8. 4= 1x+2 MDJ up 1 down 2 c - domain change - if c = 0 no handation/slift in the Proriginal think "recenter the function if C-0 no shift C>0 pluift LEFT メーヒュロ think solve CLOSLIGHT RIGHT X=C menter at (9,0) think of basite to graph the shift X-4=0 10. y= (x-4) 12. y= | x-3 | X-3=0 | x = 1 13. y= 11. y= 1x+1



Shetch children 3. gck @1/7/2024A2 think of more than I influence 10. y= (x-4)+2 17. y= -1x+4 $18. y = \frac{1}{x-1} + 2$ 19. y= - (x+2)+3

See answers before taking the quiz.

ANSWERS

think of more than I influence

Shetch horizontal neutrical

Shetch horizontal

ID. y = (x - 4) + 1

IT. y = -1 x + 4

Foregontal

Aright

19. y = 1 x + 2 + 3

X + 2 = 0

Y = 1 - 2 - 2

Notes

19. y = 1 x + 2 + 3

X + 2 = 0

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Notes

19. y = 1 x + 2

child wen 5. geg @ 1/7/2024 A2 1 question sketch as a quiz.

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vicamera
viente a file 20. · revame file as ##. first. last Q1 · email as attach went to green @mother stuff. com