

GROUP NAME: This Group, Best Group

Date: 2/20/14

Student Names (First and Last)

Speaker/Presenter: Jose Johnson

Independent Variable (x-axis): _____

Writer/Prep: Billy Rafferty

Dependant Variable (y-axis): _____

Leader/Collaborator: Stephan Burns

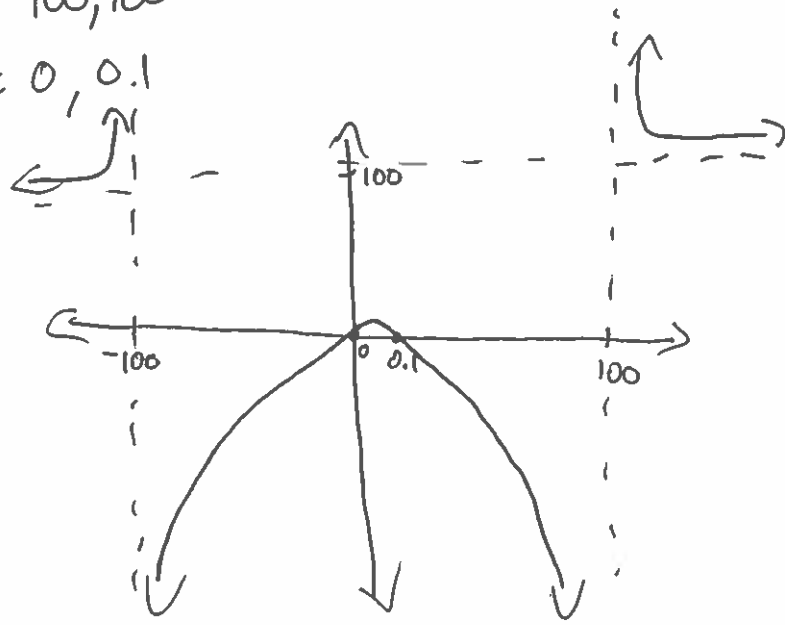
Conclusion (in words):

Supporting Work:

11/12

$$S = \frac{100x^2 - x}{x^2 - 10,000} = \frac{100x(x - .01)}{(x - 100)(x + 100)}$$

Horizontal = 100
 Vertical = -100, 100
 X-intercepts = 0, 0.1



GROUP NAME: group #3

Date: _____

Student Names (First and Last)

Speaker/Presenter: Christian Guerra

Independent Variable (x-axis): _____

Writer/Prep: Benjamin I. Jasinu

Dependant Variable (y-axis): _____

Leader/Collaborator: Kevin Leonardo
Eli Amponso Brian Reiman

Conclusion (in words):

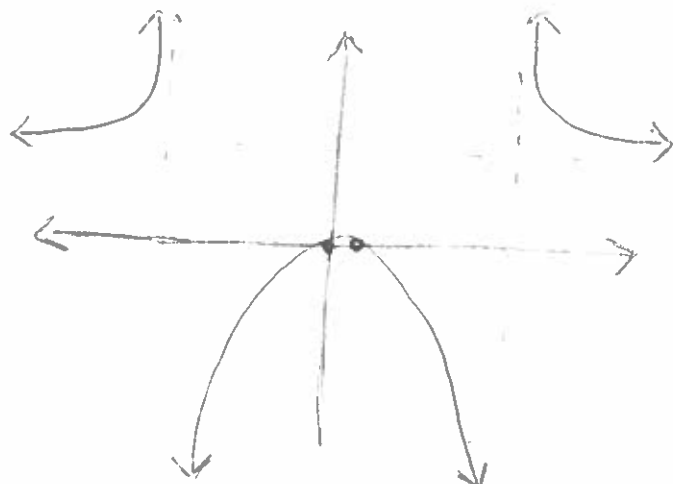
Supporting Work:

$$C = \frac{100x(x-100)}{(x-100)(x+100)}$$

$$C = \frac{(x-100)(100)}{(x-100)(x+100)}$$

$$VA - x = 100, y = 100$$

$$HA - y = 100$$



GROUP NAME: We love science

Date: 2-20-14

Student Names (First and Last)

Speaker/Presenter: Marta Trusekowska

Writer/Prep: LOCE KENKELT

Independent Variable (x-axis): _____

Leader/Collaborator: Wette Aguilar

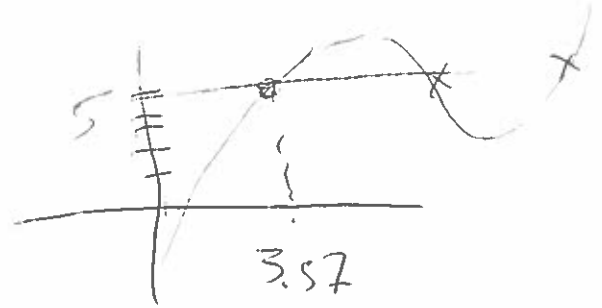
Dependant Variable (y-axis): _____

Conclusion (in words):

Supporting Work:

What is Precalculus - It's the study of function

b) Data → Equation
Regression



c) stat Edit: 1

L1	L2
1	3
3	4
5	4
9	

STAT ⊕ Calc 6: cubic reg

$$Y = -.07 x^3 + 1.03 x^2 - 2.6 x + 4.2 \dots$$

Calc 5: Intersect
1st curve
2nd curve

$$Y = ax^3 + bx^2 + (x + 0)$$

$$x = 10.66 \quad y = 5$$

$$x = .07 x^3 + 1.03 x^2 - 2.67 x + 4.71$$

$$x = -.101 \quad y = 5$$

WARS 5 ⊕ ⊕ 1.

Calc 2: zero

Plots ON:

left 11

zoom 9:

Right 12

$$Y_2 = 5$$

guess 12

$$x = 11.425$$

Calc 5: Intersect

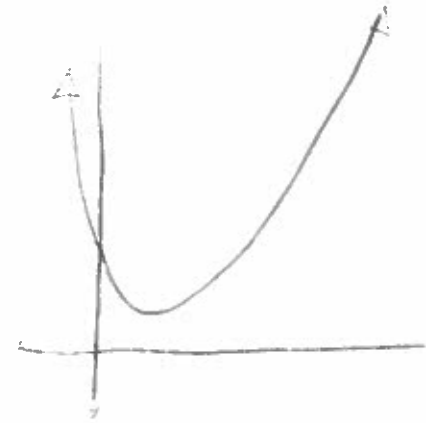
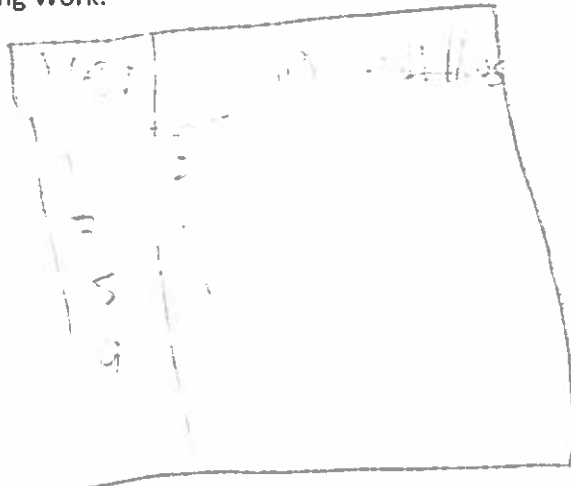
$$x = 3.57$$

window

GROUP NAME:	Student Names (First and Last)
Date: <u>2-20-14</u>	Speaker/Presenter: <u>Victor France</u>
Independent Variable (x-axis): <u>Year</u>	Writer/Prep: <u>Cam Sperry</u>
Dependant Variable (y-axis): <u>Sales in millions</u>	Leader/Collaborator: <u>Zachary Lambert</u>

Conclusion (in words): Sales will reach 5 million in 3.29 years and reach zero at 12.26 years.

Supporting Work:

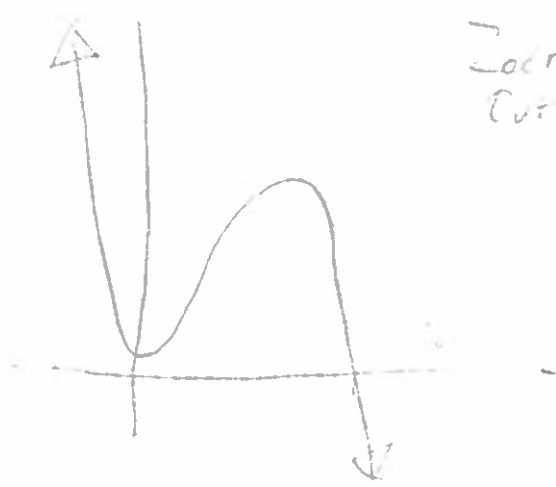


Zero at 3.29

Graph of $y = -x^2 + 12.26x$

0.01

For sales 5 million in 3.29 years -
Zero at $x = 12.26$



Local Max
Cur

Team Math Goals

GROUP NAME:	Student Names (First and Last)
Date: _____	Speaker/Presenter: <u>Paul Niles</u>
Independent Variable (x-axis): _____	Writer/Prep: <u>Nicky ...</u>
Dependant Variable (y-axis): _____	Leader/Collaborator: <u>Nicky / ...</u>

Conclusion (in words):

Supporting Work: # 17

[Faint handwritten notes]

Step 1
 $\frac{1}{3}x^3 + \dots$
 $\frac{1}{3}x^3 + \dots$

Step 2 calculate cubic reg:
 $a = .14$
 $b = -147.93$
 $c = 9216.40$
 $d = -197800$

Finding zero

left bound = 57.59
 right bound = 59.12

zero = 58.2411 = x
 0 = y

Step 3 put data into "y"
 [2nd] [Vars] 5: (-) (-) 1: [Enter]

Step 4 - graph
 [Graph]

finding minimum on cubic

GROUP NAME: R
Date: 2/22/11

Student Names (First and Last)
Speaker/Presenter: David Thompson
Writer/Prep: _____
Leader/Collaborator: Chris

Independent Variable (x-axis): _____
Dependant Variable (y-axis): _____

Conclusion (in words):

2/10

Supporting Work:

Part 1: ...

Delta - T ...

...

$x = 1.110$

GROUP NAME: Math lovers

Date: 2/20/14

Student Names (First and Last)

Speaker/Presenter: Scott Hark

Independent Variable (x-axis): _____

Dependant Variable (y-axis): _____

Writer/Prep: _____

Leader/Collaborator: Noor Ibrahim

Conclusion (in words):

Supporting Work:

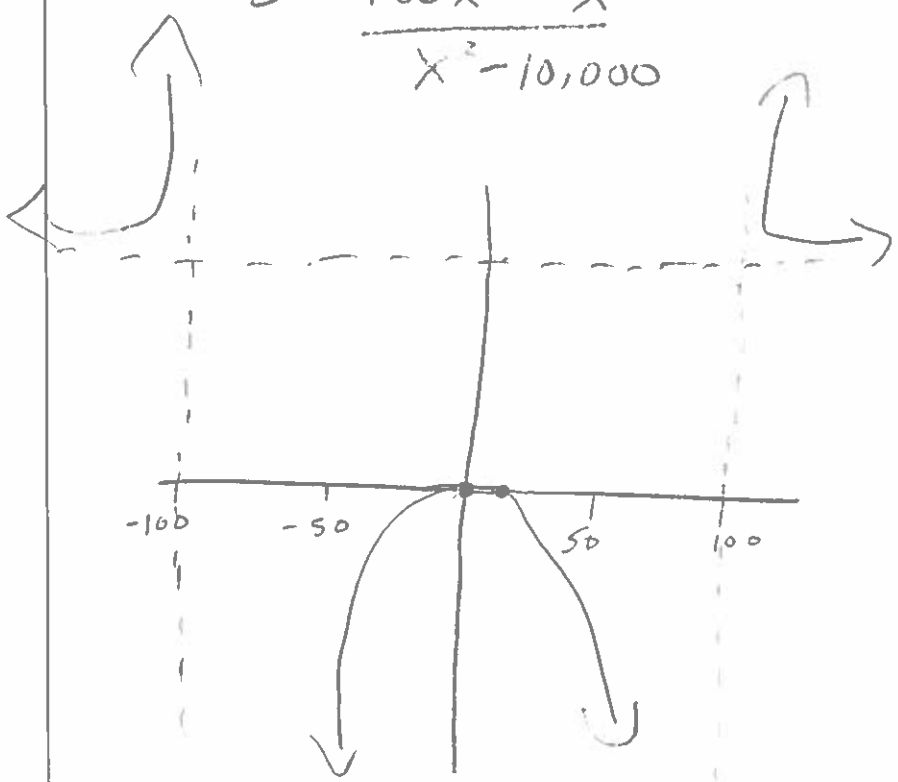
$$S = \frac{100x^2 - x}{x^2 - 10,000} = \frac{100x(x - 0.1)}{(x - 100)(x + 100)}$$

$$S = \frac{100x^2 - x}{x^2 - 10,000}$$

Horizontal asymptote = 100

Vertical asymptote = 100, -100

X intercept = 0, 0.1



GROUP NAME:

Date: 2/20/14

Student Names (First and Last)

Speaker/Presenter: Melissa Scarpatti

Independent Variable (x-axis): _____

Writer/Prep: Amelia Lopez

Dependant Variable (y-axis): _____

Leader/Collaborator: Victoria Lopez

Conclusion (in words):

Supporting Work:

11/12

$$S = \frac{100x^2 - x}{x^2 - 10,000} = \frac{100x(x - .01)}{(x - 100)(x + 100)}$$

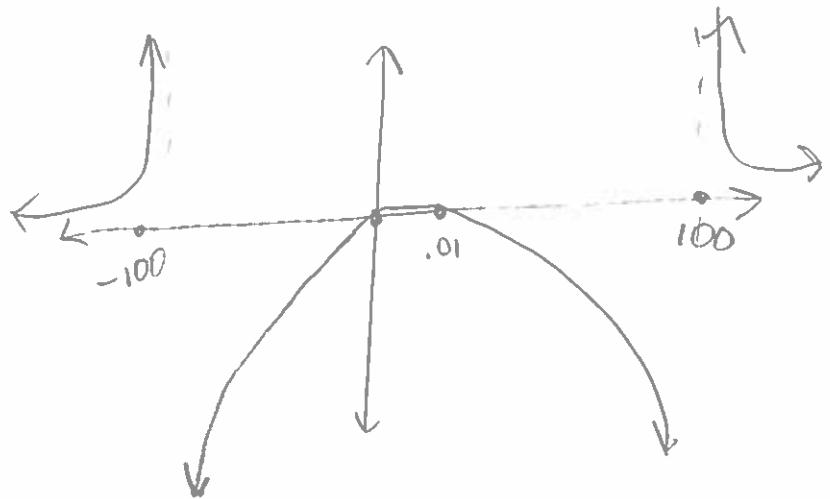
DN = 2
DD = 2

HA: $y = 100$
 VA: $100, -100$
 x-int: $0, .01$

Graph:

$$S = \frac{100x^2 - x}{x^2 - 10,000}$$

$$\frac{-2}{2} = 1 \quad y = \frac{LN}{LD} = \frac{100}{1}$$



GROUP NAME: Newbies

Date: 2/20/14

Student Names (First and Last)

Speaker/Presenter: Li Yang Lin

Writer/Prep: Kristyna Pawlyczyk

Independent Variable (x-axis): _____

Leader/Collaborator: _____

Dependant Variable (y-axis): _____

Conclusion (in words):

Supporting Work:

Year	Sales in millions
1	3
3	4
5	5
9	11

Cubic Function: $y = ax^3 + bx^2 + cx + d$

$a = -0.0729$

$b = 1.03125$

$c = -2.67708$

$d = 4.71875$

when will the sales reach 5 million?

Answer $x = 5.8437$.

~~Math~~
~~Solve~~

Math
Solve Enter

set $x = 4$.

$y = 5.8437$.

when the cubic function, where is the zero?

$y = 4.7619$.

set $x = 0$.

$y = 4.7619$.