

Water Balloon Contest

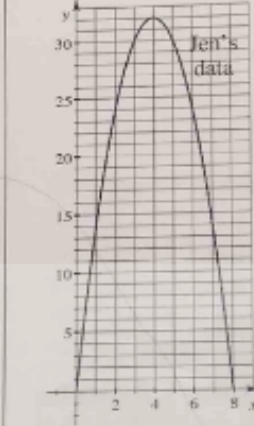
Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Per: \_\_\_\_\_

There is a water balloon-toss competition at the Fall picnic. Each contestant stands at one end of a football field and tosses a balloon. **Your job as the judge is to decide who wins for the longest and highest throws!**

Zhao's balloon toss:

x (yards)	2	3	4	5	6	7	8	9
y (yards)	0	9	16	21	24	25	24	21

Jen's Data



Liz's balloon toss started at the 3-yard line and traveled along the parabola  $y = -x^2 + 17x - 42$

Dorjee tossed the balloon from the 10-yard line (not at the edge of the field). Its highest point was 27 yards. It hit the ground again at the 16-yard line.

A.7.LS.1 Day 2 Water Balloon Contest Student  
Adapted from CCA CPM 8.2.1

Mar 17th 11:01:59 am

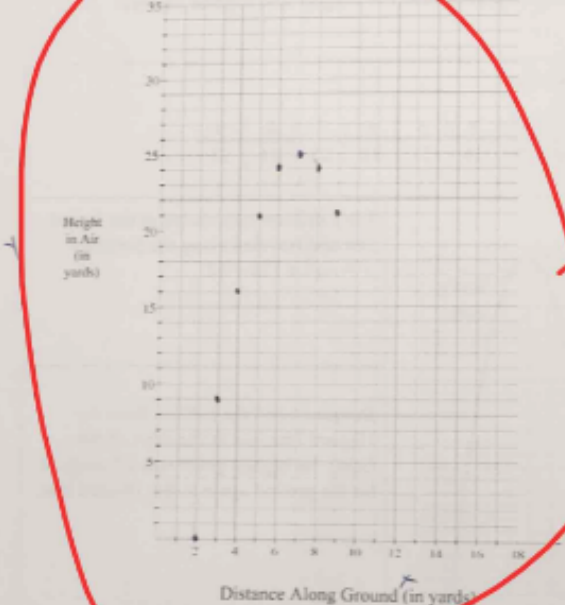
Hi! I will be your tutor for this session. How are you?

Mar 17th 11:02:34 am

Water Balloon Contest

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Per: \_\_\_\_\_

1. Make a table and graph for each contestant.



Liz's Toss

x	y

Jen's Toss

x	y

Zhao's Toss

x	y
2	0
3	9
4	16
5	21
6	24
7	25
8	24
9	21

Dorjee's Toss

x	y

A.7.LS.1 Day 2 Water Balloon Contest Student  
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Is that your work ?

Mar 17th 11:03:11 am

Hi sir I am trying to figure out Jens data

Mar 17th 11:03:38 am

Should I start with 0 for x and y?

Mar 17th 11:04:04 am

Please give me a moment to review your problem.

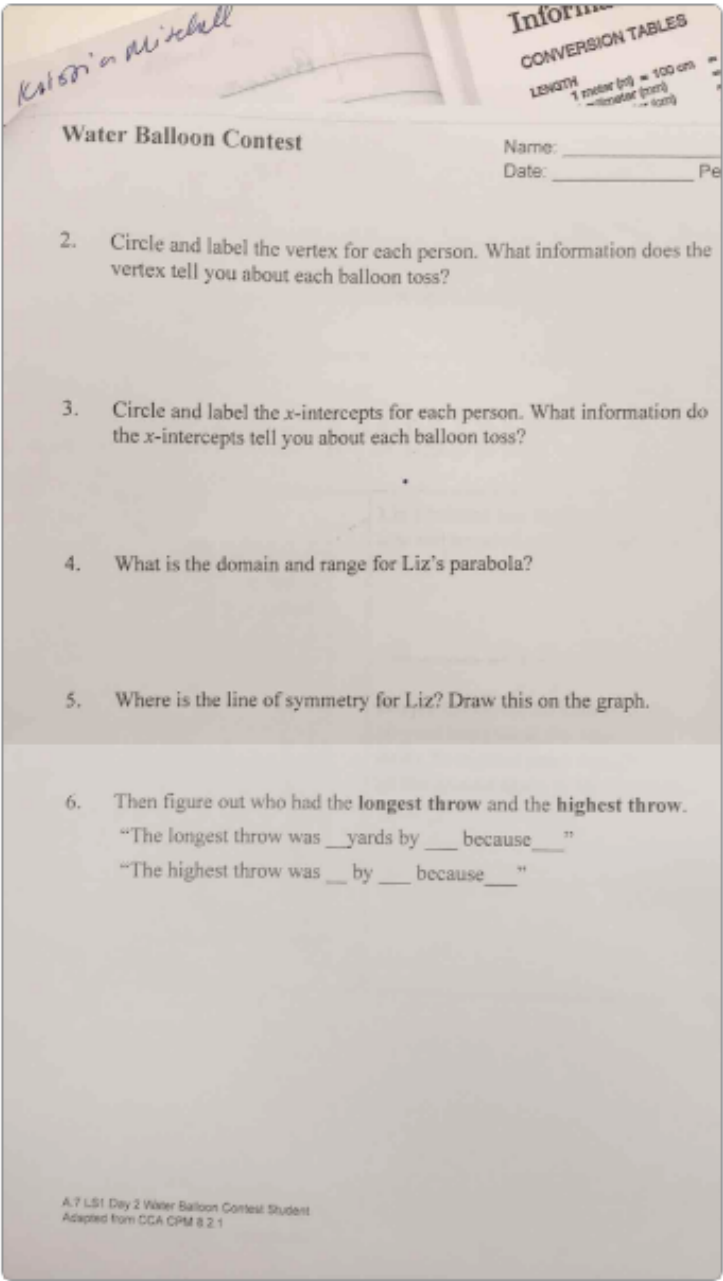
Mar 17th 11:04:29 am

Yes that's my work I started with the easiest way to plot

Mar 17th 11:04:47 am

Okay

Mar 17th 11:05:39 am



Mar 17th 11:06:05 am

Okay

Mar 17th 11:06:49 am

Please give me some time please review your problem

Mar 17th 11:07:10 am

You have done well so far

Mar 17th 11:08:03 am

Good Job !

Mar 17th 11:08:15 am

I want to start with problem 1. Thank you.

Mar 17th 11:08:23 am

Sure

Mar 17th 11:08:43 am

Can u answer my question about Jen

Mar 17th 11:09:07 am

Sure

Mar 17th 11:09:37 am

Foe Jen can you try to plot points from the given graph ?

Mar 17th 11:10:09 am

I'll try

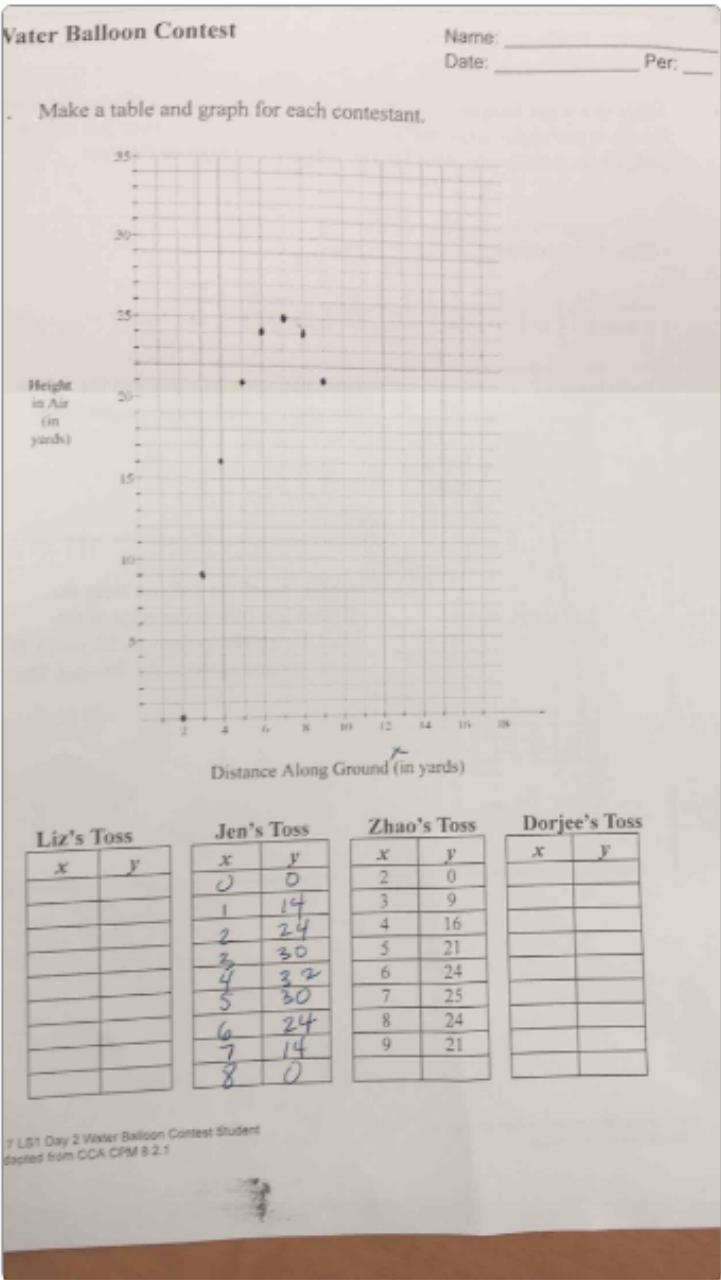
Mar 17th 11:12:00 am

Sure !

Mar 17th 11:12:12 am

Please try and share your work

Mar 17th 11:12:18 am



Mar 17th 11:14:51 am

Hey the points are predictable going up and down!

Mar 17th 11:15:19 am

How do I start with Liz?

Mar 17th 11:15:44 am

That table is perfect

Mar 17th 11:15:54 am

Good Job !

Mar 17th 11:15:56 am

Your so nice!

Mar 17th 11:16:09 am

You're

Mar 17th 11:16:24 am

For Liz at what value x has started ?

Mar 17th 11:16:32 am

Thank you !

Mar 17th 11:16:38 am

Can you try for Liz now ?

Mar 17th 11:18:00 am

I don't understand that question

Mar 17th 11:18:02 am

Not a problem !

Mar 17th 11:18:11 am

X^2?

Mar 17th 11:18:53 am

Liz's balloon toss started at what yard line ?

Mar 17th 11:19:03 am

Oh! 3!

Mar 17th 11:19:43 am

That's Correct !

Mar 17th 11:19:59 am

So we will start at x=3 and fill the table

Mar 17th 11:20:11 am

Can you try that step ?

Mar 17th 11:20:17 am

I don't know what to do next. Should I solve the equation with x?

Mar 17th 11:21:17 am

X=3 I mean

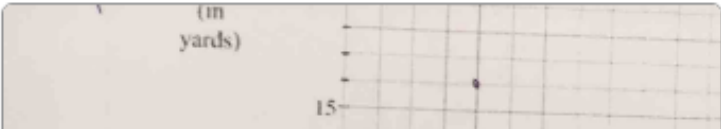
Mar 17th 11:21:32 am

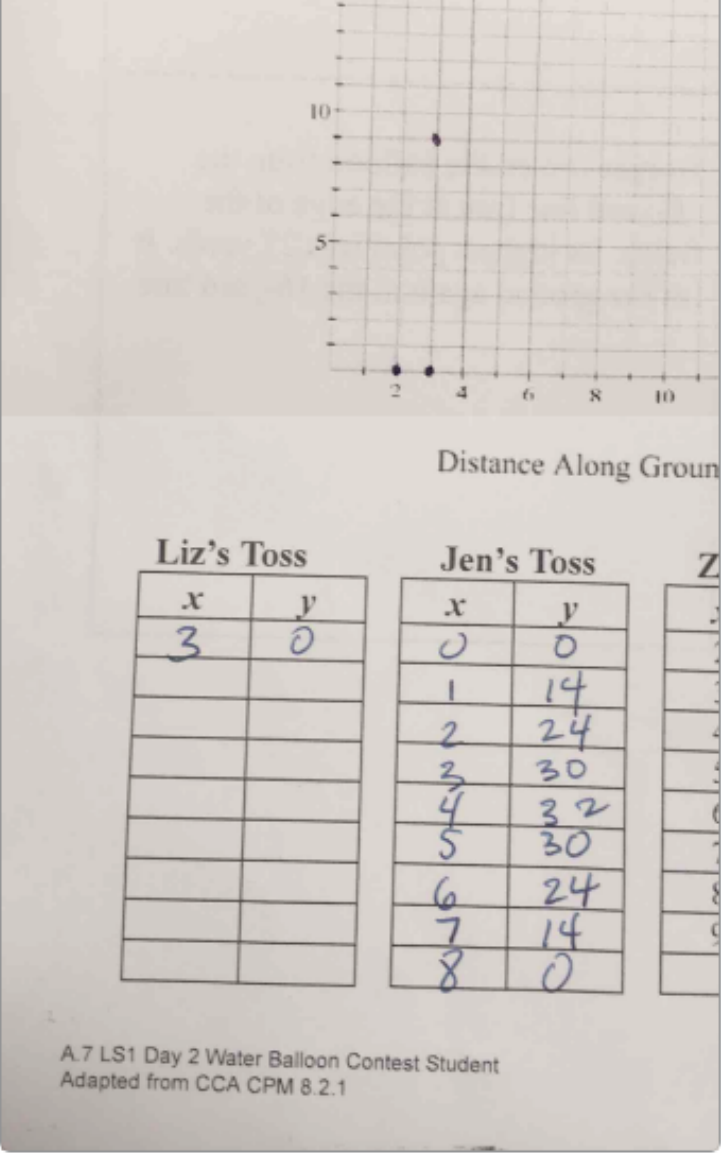
We need to find y value when x=3

Mar 17th 11:22:14 am

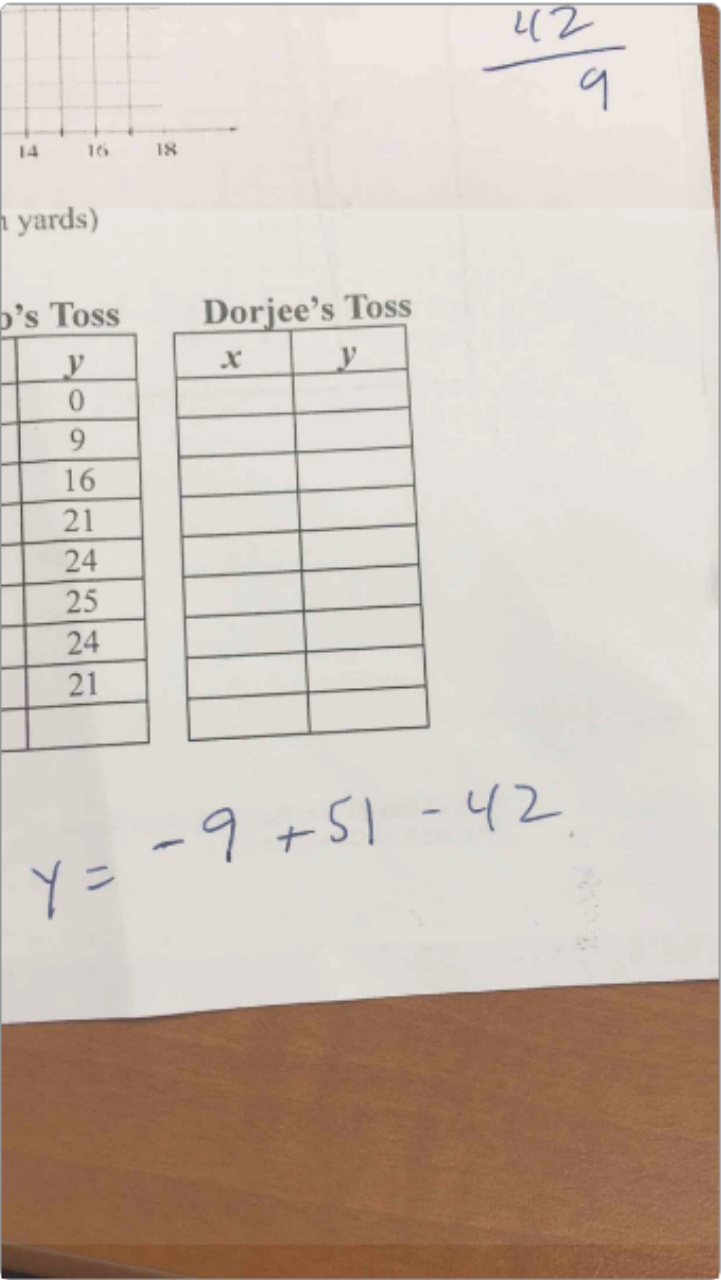
For the given equation can you try to find y value for x=3 ?

Mar 17th 11:22:39 am





Mar 17th 11:23:27 am



Mar 17th 11:23:37 am

That's Correct !

Mar 17th 11:24:05 am

But what's next?

Mar 17th 11:24:23 am

Like that plug next values of x and find the y value

Mar 17th 11:24:57 am

Do you understand that step ?

Mar 17th 11:25:15 am

You mean just assume that  $x = 4$ ?

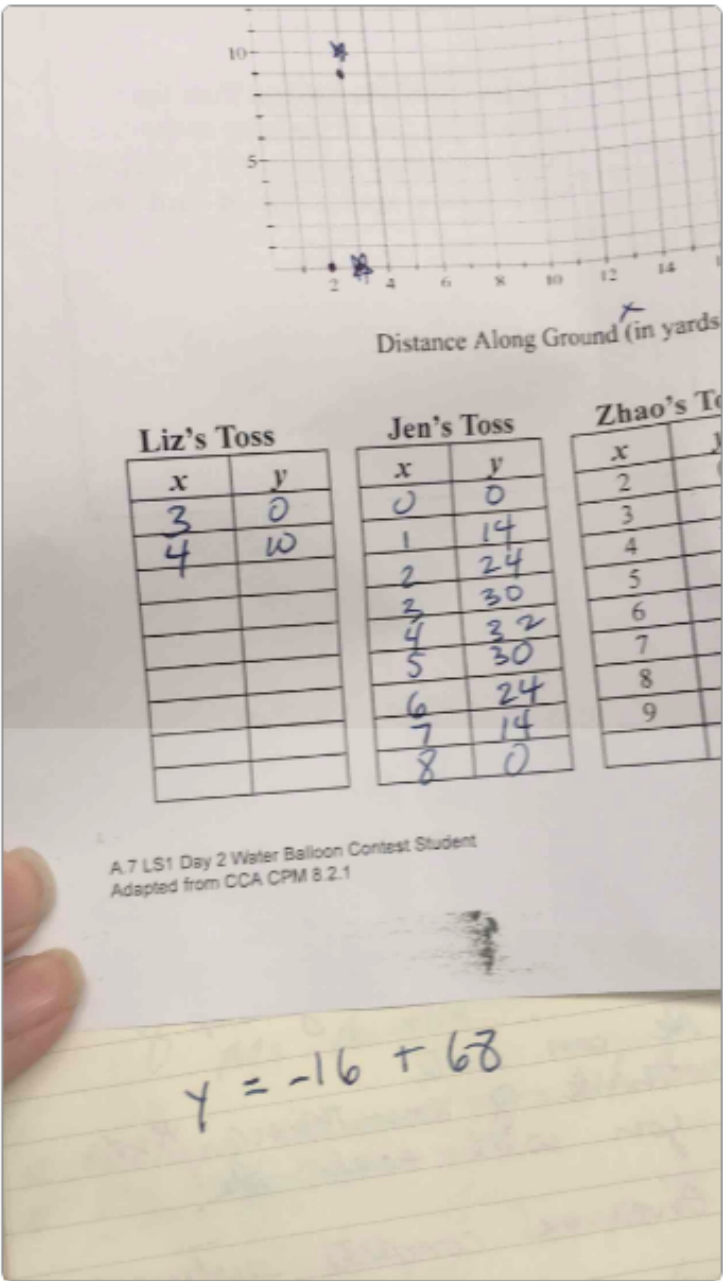
Mar 17th 11:25:39 am

Yes

Mar 17th 11:25:46 am

Can you try next step from that ?

Mar 17th 11:26:40 am



Mar 17th 11:27:59 am

I think I got it! Thank you I have to run

Mar 17th 11:28:22 am

You are welcome !

Mar 17th 11:28:30 am

Can you do the rest of problem like that ?

Mar 17th 11:28:39 am

Yes!

Mar 17th 11:28:49 am

Great !

Mar 17th 11:28:53 am

Thank you

Mar 17th 11:29:03 am

If you have any questions you can ask now

Mar 17th 11:29:06 am

You are welcome !

Mar 17th 11:29:09 am

Mar 17th 11:29:09 am

Thank you for using Yup!

Mar 17th 11:30:00 am

Enjoy your day!

Mar 17th 11:30:10 am

Thank you again!

Mar 17th 11:30:19 am

You too sir

Mar 17th 11:30:36 am

Student ended session

Mar 17th 11:30:50 am