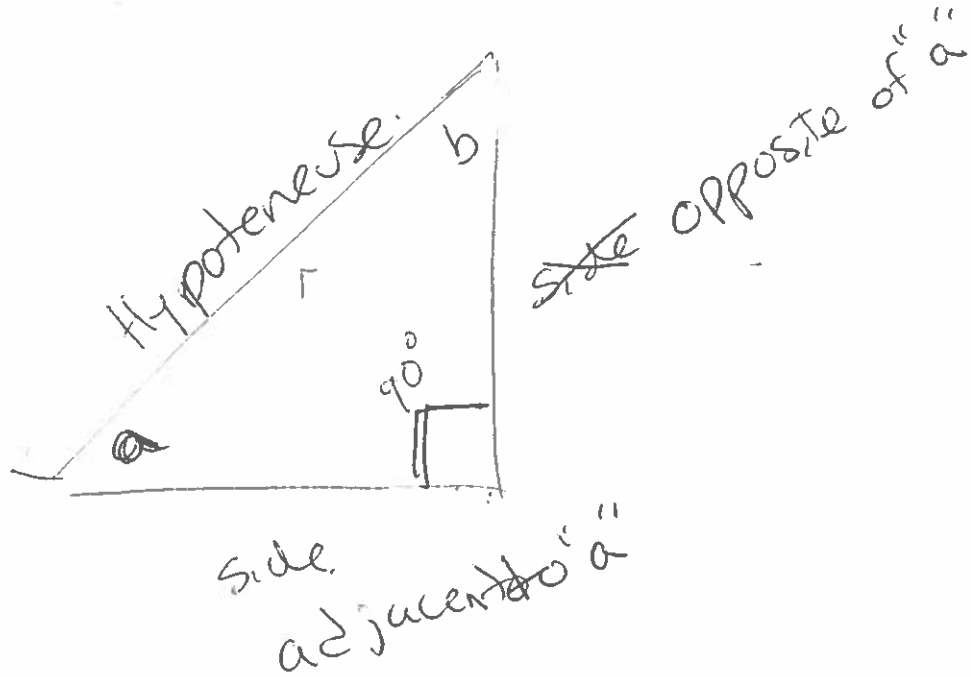


Right Triangle Trig

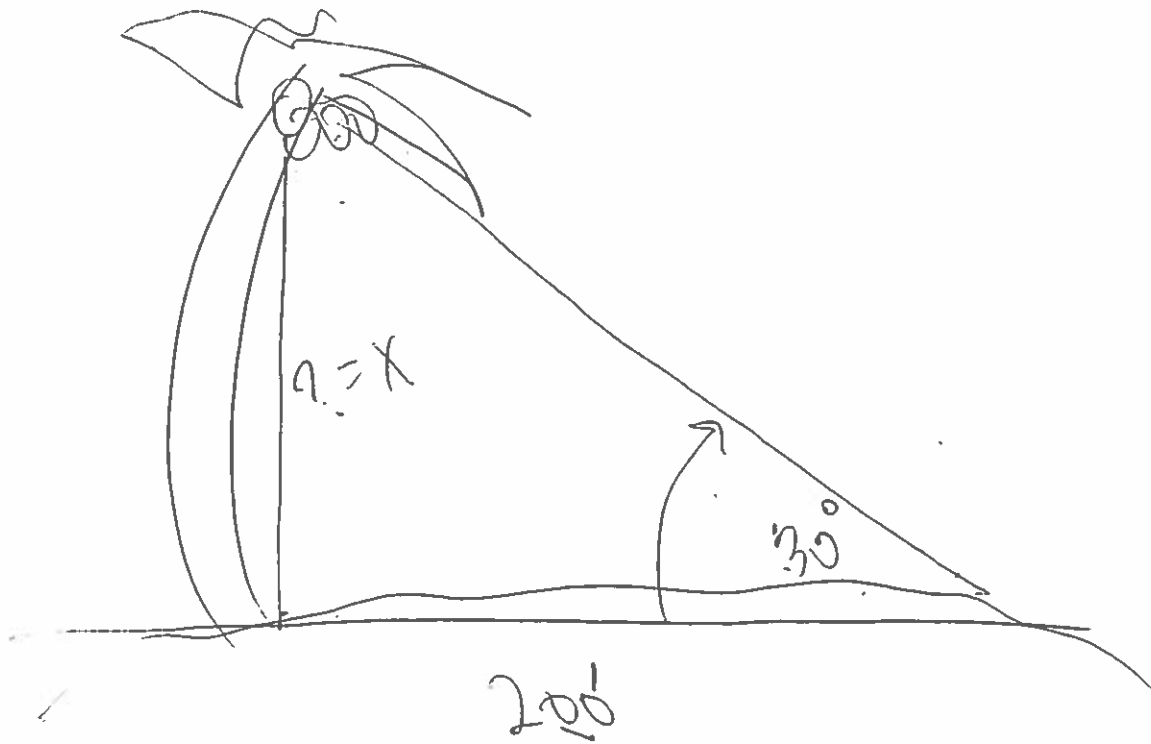


$$\text{SOH} = \sin a = \frac{\text{opp.}}{\text{hyp}}$$



$$\text{CAH} = \cos a = \frac{\text{adj}}{\text{hyp}}$$

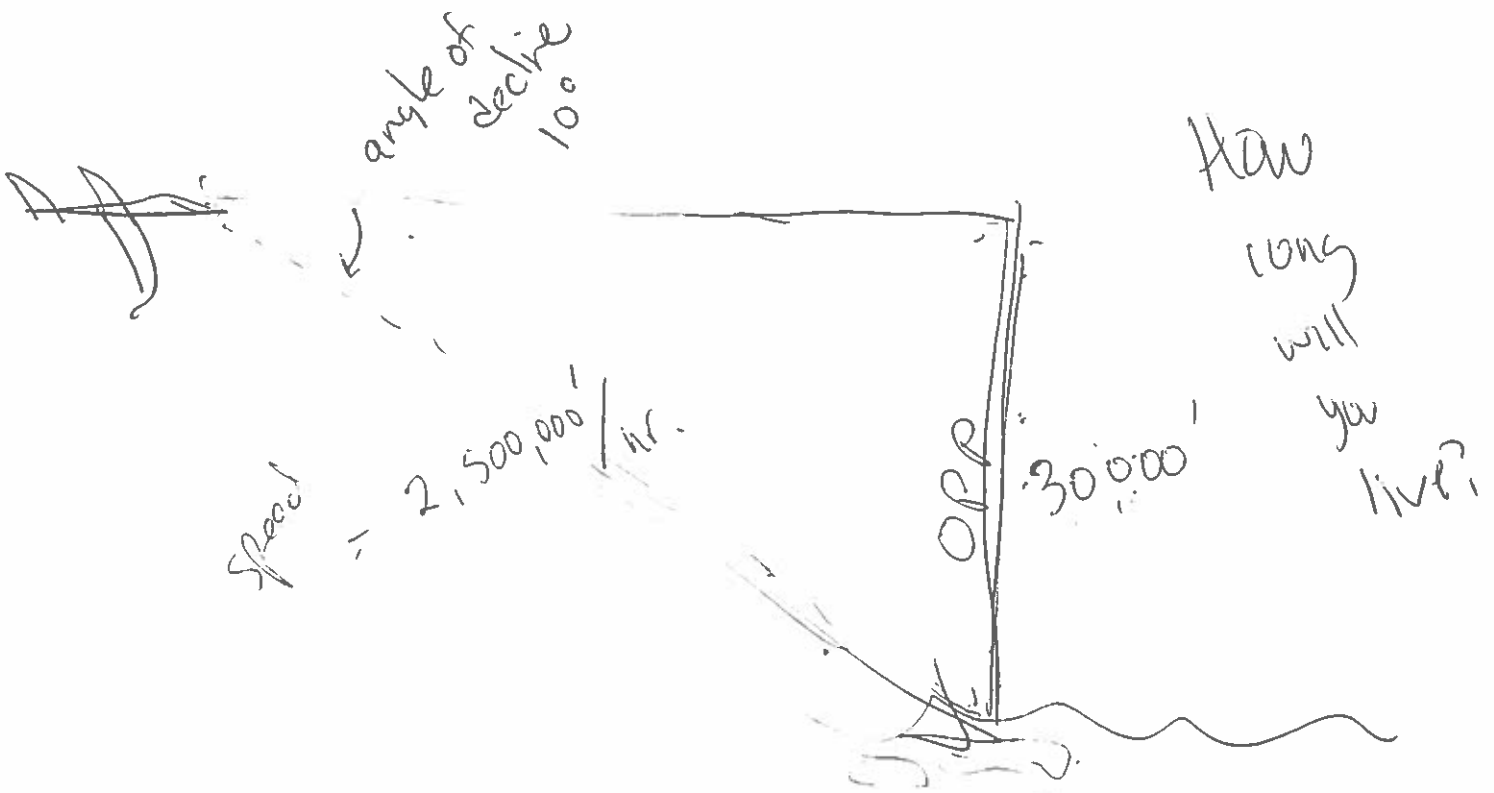
$$\text{TOA} = \tan a = \frac{\text{opp}}{\text{adj}}$$



$$\frac{x}{200} = \tan a$$

$$\frac{x}{200} = \tan 30^\circ$$

$$x = 200 \tan 30^\circ = 115.47'$$



$$\sin(10^\circ) = \frac{30,000}{x}$$

$$\frac{\text{opp}}{\text{hyp}} = \sin(10^\circ)$$

$$x = \frac{30,000}{\sin(10^\circ)}$$

172,763'

$$D = RT$$

$$T = \frac{D}{R} = \frac{172.76}{2500}$$

= .069 hrs
= 4 min
14

GROUP NAME: Honey Bags

Date: 4/1/14

Student Names (First and Last)

Speaker/Presenter: Melissa Scarpato

Writer/Prep: Angelica Ippolito

Independent Variable (x-axis): _____

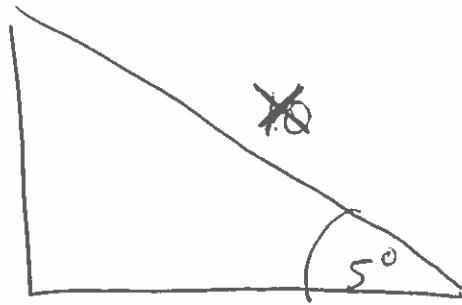
Dependant Variable (y-axis): _____

Leader/Collaborator: _____

Conclusion (in words):

At the angle 5° , the hypotenuse is 571.503... based on tangent.

Supporting Work:



$$\tan(5^\circ) = \frac{\text{opp}}{\text{hyp}}$$

$$x(\tan(5^\circ)) = \left(\frac{50}{x}\right)x$$

$$\tan(5^\circ) \quad \tan(5^\circ)$$

$$x = \frac{50}{\tan(5^\circ)}$$

$$x = 571.503...$$

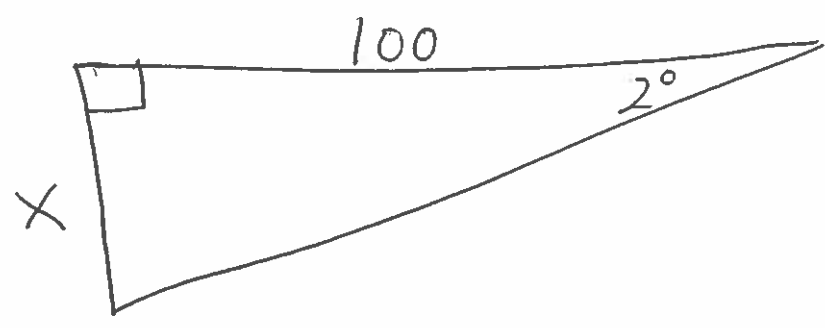
GROUP NAME: This Group
 Date: 4/1/14
Best Group

Student Names (First and Last)
 Speaker/Presenter: Jesse Schurman
 Writer/Prep: Billy Rafferty
 Leader/Collaborator: _____

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

Conclusion (in words):

Supporting Work:



2° opp of x
 100 adj of x

~~tan(2) = x/100~~
~~100 tan(2) = x~~

~~tan(2) = x/100~~

$$\frac{\tan(2)}{1} = \frac{x}{100}$$

$$100 \tan(2^\circ) = x$$

$$x = 3.492$$

GROUP NAME: Vandies

Date: 4/1/14

Student Names (First and Last)

Speaker/Presenter: Li-Yang Lin

Writer/Prep: Khrystyna Rudyk

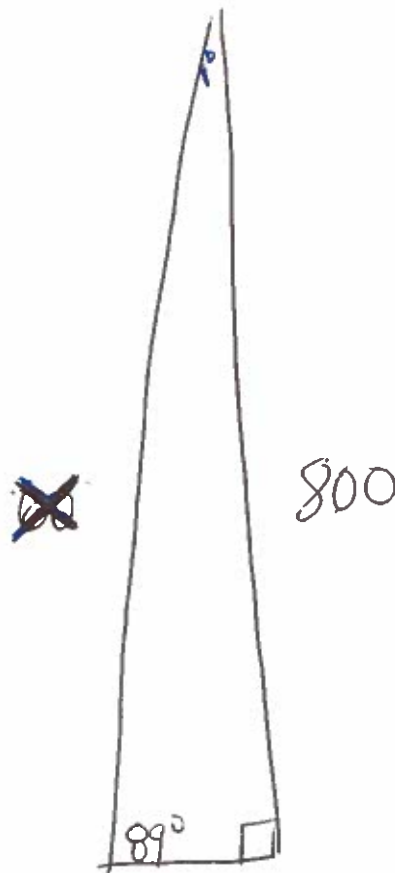
Independent Variable (x-axis): _____

Dependant Variable (y-axis): _____

Leader/Collaborator: _____

Conclusion (in words):

Supporting Work:



$$\text{Sine} = \frac{\text{opposite}}{\text{Hypotenuse}}$$

$$\frac{\text{Sine } 89}{1} = \frac{800}{x}$$

$$\text{Sine } 89 (x) = 800$$

$$800 : 1218629$$

GROUP NAME: We Love MATHDate: 4-1-14

Student Names (First and Last)

Speaker/Presenter: _____

Writer/Prep: Craig SkarredesLeader/Collaborator: Zach Libkarec

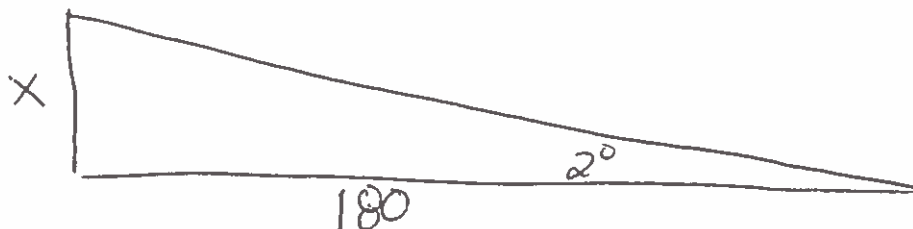
Independent Variable (x-axis): _____

Dependant Variable (y-axis): _____

Conclusion (in words):

The opposite side / x is 6.29 units long.

Supporting Work:



$$\text{TAN} = \frac{\text{OPP}}{\text{ADJ}}$$

$$\text{TAN } 2^\circ = \frac{x}{180}$$

$$\text{TAN}(2)(180) = x$$

$$x = 6.29$$

made
Degree
error

GROUP NAME: PreCalc group 2
 Date: 4/1/14

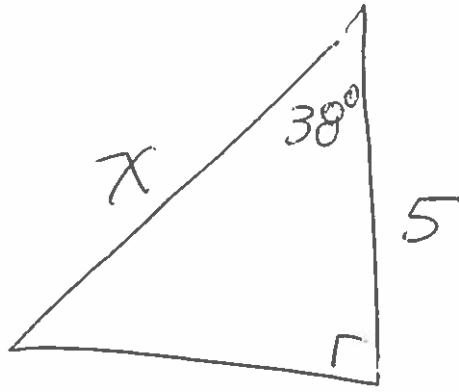
Student Names (First and Last)
 Speaker/Presenter: Taylor Williams

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

Writer/Prep: _____
 Leader/Collaborator: More later

Conclusion (in words):

Supporting Work:



$$\cos = \frac{\text{adj}}{\text{hyp}} = \frac{5}{x}$$

$$(-1) \frac{5}{x} = \cos 38^\circ$$

$$x = \frac{5}{\cos 38^\circ}$$

$$x = \frac{5}{0.7880}$$

$$x = 6.345$$

GROUP NAME: I love science

Student Names (First and Last)

Date: 01/01/14Speaker/Presenter: LOUIE KENNEDY

Independent Variable (x-axis): _____

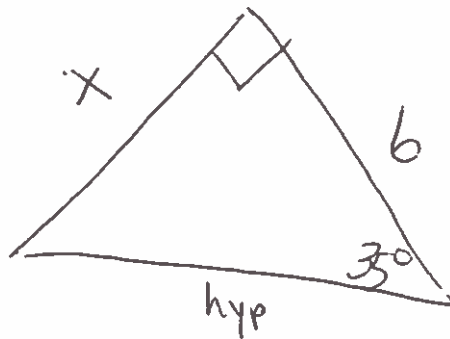
Writer/Prep: Yvette Aguilar

Dependant Variable (y-axis): _____

Leader/Collaborator: Marta Truszkowski

Conclusion (in words):

Supporting Work:



~~$$\frac{\text{opp}}{\text{hyp}} = \sin a$$~~

$$\tan a = \frac{\text{opp}}{\text{adj}}$$

$$\frac{6}{x} = \tan 30^\circ$$

$$x = 6 \tan 30^\circ = 3.46$$

GROUP NAME: Team ChemDate: 04/1/14

Student Names (First and Last)

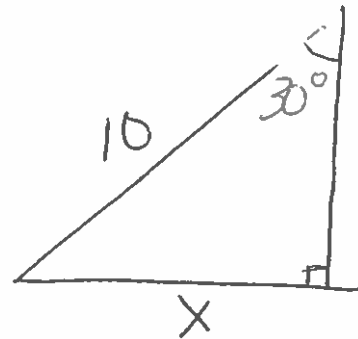
Speaker/Presenter: Osman RahmanWriter/Prep: Benjamin Infosinu/CliffordLeader/Collaborator: Edij Amponso
Kevin Leonardo

Independent Variable (x-axis): _____

Dependant Variable (y-axis): _____

Conclusion (in words):

Supporting Work:



10 = hypotenuse

x = opposite

soh

$$\sin(30^\circ) = \frac{x}{10}$$

$$x = \underline{\underline{5}}$$

GROUP NAME:

Student Names (First and Last)

Date: 1 Apr 14

Speaker/Presenter: Ricky

Independent Variable (x-axis): _____

Writer/Prep: Rick

Dependant Variable (y-axis): _____

Leader/Collaborator: _____

Conclusion (in words):

Supporting Work:

