

# Sinusoidal Word Problems With Answers

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### **Sinusoidal Word Problems With Answers**

Solve word problems that involve real-world contexts that are modeled by sinusoidal functions. If you're seeing this message, it means we're having trouble loading external resources on our website. If you're behind a web filter, please make sure that the domains \*.kastatic.org and \*.kasandbox.org are unblocked.

### **Sinusoidal models word problems (practice) | Khan Academy**

Play this game to review Word Problems. The data table in the picture shows the average length of

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daylight for each month of the year. Calculate the sinusoidal regression equation of the data.

### **Sinusoidal Word Problems | Word Problems Quiz - Quizizz**

Usually in sinusoidal word problems, either both of the answers are correct, or one of the answers is correct because of the context of the problem. For example, let's say in your problem, the graph only began after 1 hour had elapsed. That would make the 0.6 hours answer invalid, because it isn't in the domain of the question.

### **Sinusoidal word problems - Khan Academy Help Center**

Sinusoidal Word Problems Chapter 3 1. In Canada's wonderland there is a roller coaster that is a continuous series of identical hills that are 18m high from the ground. The platform to get on the ride is on top of the first hill. It takes 3 seconds for the coaster to reach the bottom of the hill 2m off the ground ...

### **Math 2204/05 Name: Sinusoidal Word Problems Chapter 3**

A group of students decided to study the sinusoidal nature of tides. The depth of the water level was recorded at various times. At  $t = 2$  hours low tide was recorded at a depth of 2 m. At  $t = 8$  hours, high tide was recorded at a depth of 4 m. What was the depth of the water at time  $t = 5$ ? Tell me how you did it please.

### **Sinusoidal word problem? | Yahoo Answers**

PRACTICE Trig Word Problems 1. Write the trigonometric equation for the function with a period of 6. The function has a maximum of 3 at  $x = 2$  and a low point of  $-1$ . 2. Write the trigonometric equation for the function with a period of 5, a low point of  $-3$  at  $x=1$  and an amplitude of 7. 3. Ruby has a pulse rate of 73 beats per minute and a

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## **Date: Name: PRACTICE Trig Word Problems**

Sinusoidal Word Problems Name: Chapter 3 1. 2. In Canada's wonderland there is a roller coaster that is a continuous series of identical hills that are 18m high from the ground. The platform to get on the ride is on top of the first hill. It takes 3 seconds for the coaster to reach the bottom of the hill 2m off the ground

## **Sinusoidal Model Worksheetsolutions**

a) Use sinusoidal functions to find the depth  $d(t)$  of the water, in meters, as a function of time  $t$  in hours. (Assume that 8 am corresponds to  $t = 0$ ). b) Find the depth of water at noon. c) Use the graph of  $d(t)$  and analytical calculations to calculate the interval of time during which the depth  $d$  is below 1.5 m from 12 pm to 6 pm. Solution

## **Use Sinusoidal Functions to Solve Applications - with ...**

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Sal solves a word problem about the annual change in temperature by solving a sinusoidal equation. ... Sinusoidal models word problems. Trigonometric equations review. Next lesson. ... So

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let's take our previous answer, times 365, we deserve a drumroll here... Divided by 2 pi, and we get if we round to the nearest day 262 days after January 7th ...

### **Trig word problem: solving for temperature (video) | Khan ...**

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Sinusoidal Functions. Sinusoidal Functions - Displaying top 8 worksheets found for this concept.. Some of the worksheets for this concept are Precalculus chapter 6 work graphing sinusoidal, Sinusoidal functions work, Amplitude and period for sine and cosine functions work, Work of sinusoids, Sinusoidal word problems work, Unit 6 sinusoidal data, Math 220405 name sinusoidal word problems ...

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### **Honors Pre-calculus - Mr. Trakimas Math WHS**

December 5/6: Review and Practice Test Practice Test \*Don't graph #2: silly horizontal translation\* Solutions \*Note: The actual test will look quite a bit different.

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