
Trigonometry Word Problems With Answers

word problems using right triangle trig - jack nilan - word problems using right triangle trig draw pictures! make all answers accurate to the nearest tenth. 1. a damsel is in distress and is being held captive in a tower. her knight in shining armor is on the ground below with a ladder. when the knight stands 15 feet from the base of the tower and looks up at his precious damsel, the angle of ... **applications of right triangles and trig functions** - trigonometry word problems 1) one diagonal of a rhombus makes an angle of 29 with a side of the rhombus. if each side of the rhombus has a length of 7.2", find the lengths of the diagonals. 2) an observer on a cliff 1200 feet above sea level sights two ships due east. the **trigonometry - hard problems q&a - mathguy** - trigonometry - hard problems based on the illustration at right, we get the following: $\tan \theta = \frac{90}{200.45}$ $\theta = \tan^{-1} \frac{90}{200.45} \approx 24.45^\circ$ the angle θ is in q_2 , but tangent is defined only in q_1 and q_4 . further, $\tan \theta = \frac{90}{q_2}$. **4-1 right triangle trigonometry ws** - 4-1 right triangle trigonometry word problems 1. a ladder, 500 cm long, leans against a building. if the angle between the ground and the ladder is 57 degrees, how far from the wall is the bottom of the ladder? round the answer to the nearest tenth. 2. the sides of a rectangle are 25 cm and 8 cm. what is the measure, to the nearest **right triangle trigonometry: solving word problems** - trigonometry is used on a daily basis in the workplace. since trigonometry means "triangle measure", any profession that deals with measurement deals with trigonometry as well. carpenters, construction workers and engineers, for example, must possess a thorough understanding of trigonometry. right triangle trigonometry: solving word problems **geometry trig word problems worksheet - oakwood.k12** - geometry trig word problems worksheet make a drawing for each problem, set up a trig ratio and solve to the nearest tenth. include the units. 1. a sledding run is 300 yards long with a vertical drop of 27.6 yards. find the angle of depression of the run. 2. a doctor is using a treadmill to assess the strength of a patient's heart. **word problem applications solutions - spfk12** - trigonometry - word problem applications 1) an airplane is flying in a horizontal straight line towards an airport. find its altitude at the moment when the angle of depression is 6 and the plane is 100 miles away from its destination. 2) gertie the gopher is looking at a tree that is 100 feet away from her nest. **chapter 12: worksheet honors geometry name: trig problem ...** - chapter 12: worksheet honors geometry name: trig problem solving mr. ferwerda in the following problems, please round lengths to the nearest hundredth, and angle measures to the nearest tenth. in problems 1-6, find the value of the missing side or angle measure. **compiled and solved problems in geometry and trigonometry** - includes problems of 2d and 3d euclidean geometry plus trigonometry, compiled and solved from the romanian textbooks for 9th and 10th grade students, in the period 1981-1988, when i was a professor of mathematics at the "petrache poenaru" national college in balcesti, valcea (romania), lycée sidi el hassan lyoussi in sefrou (morocco), **trigonometry packet geometry honors** - swbat: 1) solve problems involving angle of elevation/depression, and 2) express sine and cosine in terms of its cofunction. real world connection: trigonometry can be used on a daily basis in the workplace. since trigonometry means "triangle measure", any profession that deals with measurement deals with **1. a boy flying a kite lets out 300 feet of string which ...** - name _____ trig word problems worksheet 1. a boy flying a kite lets out 300 feet of string which makes an angle of 38 with the ground. assuming that the string is straight, how high above the ground is the kite? 2. a ladder leaning against the wall makes an angle of 74 with the ground. if the foot of the ladder is 6.5

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