Trigonometry Word Problems With Answers

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 angles of depression to the ships are 48 and 33 . what is the distance ... *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 ... *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. *trigonometry - hard problems q&a - mathguy* - trigonometry – hard problems based on the illustration at right, we get the following: tan à l 90 200.45 à ltan ? 5.45 l° the angle 7 9 is in q2, but tangent is defined only in q1 and q4. further, tan 7 9 0 in q2. *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 *worksheet 8.4 name trig word problems geometry regular ...* - worksheet 8.4 name _____trig word problems ___ geometry regular date _____ mods____ draw diagrams for each word problem and show the trig function used to solve the problem. 1. a monument stands on level ground. the angle of elevation to the top of the monument taken at a point 405 feet away is 32˚. find the height of the monument. *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 *word problem applications solutions - spfk12* - trigonometry – word problem applications 1) an airplane is flying in a horizontal straight line to wards 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. *sine, cosine, and tangent practice - tipp city* - solve the following word problems. for each question, draw a diagram to help you. 31) an airplane is flying at an altitude of 6000 m over the ocean directly toward a coastline. at a certain time, the angle of depression to the coastline from the airplane is 14°. how much farther (to the

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