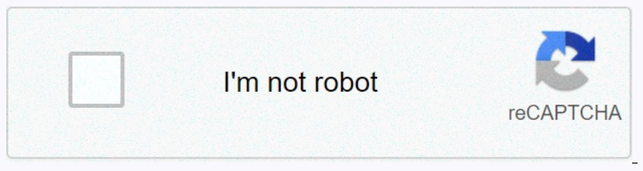

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Coterminal angles worksheet with answers

This set of printable worksheets offers high school subjects such as finding reference corners in degrees and radians; coterminal angles shown at corners, positive and negative coterminal angles and much more. Reinforce the concept reference and coterminal corners of multiple response pdf worksheets featured here. Use any of these journals for free! Reference angles – degrees Count the level of the coordinates and find the reference angle for each angle shown. The angles are expressed in degrees. This includes problems without the co-d's plane. Download set(3 Worksheets) Multiple responses To printable worksheets consist of six unique questions that cover different aspects of reference angles and coterminal corners. Check the answers with the answer key. Download set(3 Worksheets) Coterminal Corners Worksheet: The worksheet given in this section is much useful for students who would like to practice problems with coterminal angles. Before finding the worksheet, if you want to explore the coterminal corners, please click here on Coterminal Angles Worksheet - Problems Problem 1 : Find a positive angle and negative that is the coterminal with the corner below. 75° Problem 2 : Find a positive angle and negative, which is the coterminal with the angle given below. 2π/3: Find a positive angle and a negative, which is the coterminal with the angle below. -200°Problem 4: Find a positive angle and negative, which is the coterminal with the angle below. π/8: Find the positive angle and negative, which is the coterminal with the angle below. 410° Problem 6 : Find a positive angle and negative, which is the coterminal with the angle below. 13π/4 Coterminal Angles Worksheet - Solutions Problem 1 : Find a positive angle and negative, which is the coterminal with the angle given below. 75° Solution: Positive angle, which is a coterminal of 75° : 75° + 360° = 435°So, a positive angle, which is a coterminal with 75° is 435°. Negative angle, which is a coterminal of 75° : 75° - 360° = -285°So, a negative angle, which is a coterminal with 75° is -285°. Issue 2 : Find a positive angle and a negative that is coterminal with the angle below. 2π/3 Solution : Positive angle coterminal 2π/3:2π/3 + 2π = 2π/3 + 6π/32π/3 + 2π = (2π + 6π) / 32π/3 + 2π = 8π/3So, a positive angle that is a coterminal with 2π/3.Negative angle, which is a coterminal with 2π/3 :2π/3 - 2π = 2π/3 - 6π/32π/3 - 2π = (2π - 6π) / 32π/3 - 2π = -4π/3So, negative angle that is coterminal with 2π/3 is -4π/3.Problem 3: Find a positive angle and a negative, which is the coterminal with the angle given below. -200°Solution : Positive angle that is a coterminal -200° :-200° + 360° = 160°So, positive angle, which is -200° is 160°. Negative angle, which is coterminal-200° :-200° - 360° = -560°So, the negative angle of the coterminal -200° is -560°. Problem 4 : Find the positive angle and negative that is the coterminal with the angle below. π/8Th solution : Positive angle, which is a coterminal with π/8:π/8 + 2π = π/8 + 16π/8π/8 + 2π = (π + 16π/8 + 2π = 17π/8Nii, a positive angle, which is a coterminal with π/8.Negative angle, which is a coterminal with π/8:π/8 - 2π = π/8 - 16π/8π/8 - π = (π - 16π) / 8π/8 - 2π = -15π/8So, negative angle, which is a coterminal with π/8 is -15π/8.Problem 5: Find the positive angle and the negative, which is the coterminal with the angle given below. 410° Solution : Positive angle, which is a coterminal 410° :Since the given angle is 410° is more than 360° to obtain a positive angle of 410°, subtract 360° 410° - 360° = 50° So, the positive angle of the coterminal 410° is 50°. Negative angle, which is a coterminal 410° :Since the given angle is 410° above 360° and less than 720° (twice 360°) to obtain a negative angle, which is a coterminal 410°, subtract 720° 410° , 410 ° 410 ° - 720° = -310°So, a negative angle that is a coterminal of 410° is -310°. Issue 6 : Find the positive angle and negative that is the coterminal with the angle below. 13π/4 Solution : A positive angle that is coterminal with 5π/4:Since the given angle of 13π/4 is more than 2π, to obtain a positive angle that is coterminal with 13π/4, subtract 2π from 13π/4.13π/4 - 2π = 13π/4 - 8π/413π/4 - 2π = (13π - 8π) / 413π/4 - 2π = 5π/4So, a positive angle, which is a coterminal with 13π/4 is 5π/4.Negative angle, which is a coterminal with 13π/4:Since the given angle of 13π/4 is more than 2π and less than 4π (twice 2π) to obtain a negative angle, which is coterminal with 13π/4, subtract 4π from 13π/4.13π/4 - 4π = 13π/4 - 16π/413π/4 - 4π = (13π - 16π) / 413π/4 - 4π = -3π/4So, negative angle, which is a coterminal with 13π/4 is -3π/4. After passing the stuff above, we hope that students would report to the coterminal angles. In addition to the things in this section, if you need other things in math, please use our Google Custom Search here. If you have feedback on our math content, please send us : v4formath@gmail.com We always appreciate your feedback. You can also visit the following web pages for different things in mathematics. WORD PROBLEMSHCF and LCM word problemsWord problems simple equations Word problems linear equations Word problems rectangular equationsAlgebra word problemsWord problems trainsArea and perimeter word problemsWord problems Direct variation and inverse problems unit priceWord problems unit rate Word problems compared to ratesConverting common units word problems Converting metric units word problemsWord problems easy interestWord problems compound interestWord problems type corners Additional and additional angles word problemsDoubl facts word problemsTrigo nometry word problemsSPercent word problems Profit and loss word problems Markup and marking word problems Decimal problemsWord problems FractionsWord problems mixed fractrionsOne step equation word problemsLine inequality word problemsLe ratio and proportion word problemsTime and work word problemsWord problems sets and venn diagramsWord problems agesPythagorean theorem word ProblemsPercent number of word problemsWord problems with continuous speedWord problems medium speed Word problems amount angle triangle is 180 degreeOther THEMES Profit and loss shortcutsPercent shortcutsTimes table shortcutsTime, speed and distance shortcutsRemotion and proportion shortcutsThe field and range Of irrational functionsNationalizing rational functions Rationalizing the rationalization functionsConverting decimal places In fractionsThe square root of rational numbers using the long divisionL.C.M method for solving time and work problemsAlgebraic expressions Transfer word problems256 divided by 17. if 17 power 23 is divided by 16 of all three-digit numbers, divided by 6To all three digits, divided by 7To all three digits divided by all three digits, divided by all three digits formed by 1 , 3, 4A3, 3, 4Added three-digit number ing of all three digits formed by 1 , 2, 5, 6 copyright onlinemath4all.com SBI! Related Topics: More Lessons from Grade 11 Math Worksheets Videos, Worksheets, Solutions and Activities To Help Algebra 2 Students Learn Coterminal Corners. How do you determine if the two corners are coterminal? How to find the angles that are coterminal given the angle? How do I draw corners in the standard position and coterminal corners? The angle shall be in the standard position if its peak is at the place of origin and the starting point is on the positive x axis. The angle in the standard position is said to be located in the quadrant where its terminal side is located. The angles in the standard position with terminals on the x or y axis, such as angles of 90°, 180°, 270°, etc., are called rectangles. Coterminal angles are the corners of the standard position, which is the joint terminal side. For example, 30°, 390° and -330° are all coterminal. Example: 1. Locate the 2 corners, which is a coterminal with 135°. 2. Find the corners of the terminal with the lowest positive size for each (a) 1070° (b) -65° 3. What would be an expression that could be used to express all angles of coterminal 90°? Show step-by-step solutions How to find Coterminal Corners? What it means to be a coterminal at two angles and discuss a quick method of deciding whether two corners are actually a coterminal. Examples of finding corners for each other. Example: (a) Which of the following corners is the coterminal with an angle of 136°? b) Which of the following corners is the coterminal with an angle of -255°? Show step-by-step solutions How to decide whether corners are coterminal or not? Example: a) Which one is not a pair of coterminal corners? (i) -400°, -40° ii) 340°, -50° b) Which is not a pair of corners of the terminal? i) 4°, 724° (ii) -15°, -385° Show step-by-step solutions How to find corners that are coterminal at a given angle that also meet other conditions? (finding the smallest positive coterminal angle and finding the negative angle closest to zero, which is a coterminal at a given angle). a) What is the smallest positive angle that can be combined with terminal 575° b) Find the negative angle closest to zero, and the coterminal with ρ = 635° Show step-by-step solutions example: Determine whether the two corners are Coterminal Is 132° and -588° coterminal? Show step-by-step solutions How to fix coterminal corners for radian measure? Example: Specify a positive negative angle that is coterminal for a given angle a) π/3 b) -4π/5 Show step-by-step solutions Try a free Mathway calculator and problem solver to practice different math themes. Try the examples or type your problem and check your response with detailed explanations. We welcome your feedback, comments and questions about this site or page. Please provide your feedback or queries via our feedback page. Page.