

## *Inverse Functions Worksheet With Answers*

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**Inverse Functions Worksheet With Answers**

Graphing Inverses Graph the inverse for each relation below (put your answer on the same graph).  
25. 26. 27. 28.

**WORKSHEET 7.4 INVERSE FUNCTIONS Inverse Relations Find the ...**

Free worksheet(pdf) and answer key on Inverse Functions--identify, write and express the inverse of functions based on graphs, tables, order pairs and more

**Inverse Functions Worksheet and Answer Key. Free 25 ...**

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Tsmefr zvWeEdj. 6 O oM raDdGeH jw xiNtPhp OIFn Sf6i wnMiKtKeG RAflcgTeZbEr0a S 2W.d  
Worksheet by Kuta Software LLC Kuta Software - Infinite Algebra 2 Name\_\_\_\_\_ Function Inverses  
Date\_\_\_\_\_ Period\_\_\_\_\_

**Function Inverses Date Period - Kuta Software LLC**

Worksheet # 3: The Exponential Function and the Logarithm 1.(a)Graph the functions  $f(x) = 2x$  and  $g(x) = 2^x$  and give the domains and range of each function. (b)Determine if each function is one-to-one. Determine if each function is increasing or decreasing. (c)Graph the inverse function to f. Give the domain and range of the inverse function.

**Worksheet # 1: Functions and inverse functions**

Precalculus Worksheet Name \_\_\_\_\_ Section 4.7 - Inverse Trig Functions Period \_\_\_\_\_ Evaluate the given expression without the aid of a calculator. 1.  $\sin^{-1}(\frac{1}{2})$  2.  $\cos^{-1}(\frac{\sqrt{3}}{2})$  3.  $\tan^{-1}(1)$  4.  $\sec^{-1}(2)$  5.  $\csc^{-1}(2)$  6.  $\cot^{-1}(1)$  7.  $\arcsin(\frac{\sqrt{2}}{2})$  8.  $\arccos(\frac{\sqrt{2}}{2})$  9.  $\arctan(1)$  10.  $\operatorname{arccot}(1)$  11.  $\operatorname{arcsec}(2)$  12.  $\operatorname{arccsc}(2)$  13.  $\operatorname{arccot}(1)$  14.  $\operatorname{arcsec}(2)$  15.  $\operatorname{arccsc}(2)$  16.  $\operatorname{arccot}(1)$  17.  $\operatorname{arcsec}(2)$  18.  $\operatorname{arccsc}(2)$  19.  $\operatorname{arccot}(1)$  20.  $\operatorname{arcsec}(2)$  21.  $\operatorname{arccsc}(2)$  22.  $\operatorname{arccot}(1)$  23.  $\operatorname{arcsec}(2)$  24.  $\operatorname{arccsc}(2)$  25.  $\operatorname{arccot}(1)$  26.  $\operatorname{arcsec}(2)$  27.  $\operatorname{arccsc}(2)$  28.  $\operatorname{arccot}(1)$  29.  $\operatorname{arcsec}(2)$  30.  $\operatorname{arccsc}(2)$  31.  $\operatorname{arccot}(1)$  32.  $\operatorname{arcsec}(2)$  33.  $\operatorname{arccsc}(2)$  34.  $\operatorname{arccot}(1)$  35.  $\operatorname{arcsec}(2)$  36.  $\operatorname{arccsc}(2)$  37.  $\operatorname{arccot}(1)$  38.  $\operatorname{arcsec}(2)$  39.  $\operatorname{arccsc}(2)$  40.  $\operatorname{arccot}(1)$  41.  $\operatorname{arcsec}(2)$  42.  $\operatorname{arccsc}(2)$  43.  $\operatorname{arccot}(1)$  44.  $\operatorname{arcsec}(2)$  45.  $\operatorname{arccsc}(2)$  46.  $\operatorname{arccot}(1)$  47.  $\operatorname{arcsec}(2)$  48.  $\operatorname{arccsc}(2)$  49.  $\operatorname{arccot}(1)$  50.  $\operatorname{arcsec}(2)$  51.  $\operatorname{arccsc}(2)$  52.  $\operatorname{arccot}(1)$  53.  $\operatorname{arcsec}(2)$  54.  $\operatorname{arccsc}(2)$  55.  $\operatorname{arccot}(1)$  56.  $\operatorname{arcsec}(2)$  57.  $\operatorname{arccsc}(2)$  58.  $\operatorname{arccot}(1)$  59.  $\operatorname{arcsec}(2)$  60.  $\operatorname{arccsc}(2)$  61.  $\operatorname{arccot}(1)$  62.  $\operatorname{arcsec}(2)$  63.  $\operatorname{arccsc}(2)$  64.  $\operatorname{arccot}(1)$  65.  $\operatorname{arcsec}(2)$  66.  $\operatorname{arccsc}(2)$  67.  $\operatorname{arccot}(1)$  68.  $\operatorname{arcsec}(2)$  69.  $\operatorname{arccsc}(2)$  70.  $\operatorname{arccot}(1)$  71.  $\operatorname{arcsec}(2)$  72.  $\operatorname{arccsc}(2)$  73.  $\operatorname{arccot}(1)$  74.  $\operatorname{arcsec}(2)$  75.  $\operatorname{arccsc}(2)$  76.  $\operatorname{arccot}(1)$  77.  $\operatorname{arcsec}(2)$  78.  $\operatorname{arccsc}(2)$  79.  $\operatorname{arccot}(1)$  80.  $\operatorname{arcsec}(2)$  81.  $\operatorname{arccsc}(2)$  82.  $\operatorname{arccot}(1)$  83.  $\operatorname{arcsec}(2)$  84.  $\operatorname{arccsc}(2)$  85.  $\operatorname{arccot}(1)$  86.  $\operatorname{arcsec}(2)$  87.  $\operatorname{arccsc}(2)$  88.  $\operatorname{arccot}(1)$  89.  $\operatorname{arcsec}(2)$  90.  $\operatorname{arccsc}(2)$  91.  $\operatorname{arccot}(1)$  92.  $\operatorname{arcsec}(2)$  93.  $\operatorname{arccsc}(2)$  94.  $\operatorname{arccot}(1)$  95.  $\operatorname{arcsec}(2)$  96.  $\operatorname{arccsc}(2)$  97.  $\operatorname{arccot}(1)$  98.  $\operatorname{arcsec}(2)$  99.  $\operatorname{arccsc}(2)$  100.  $\operatorname{arccot}(1)$

**Precalculus Worksheet Name Section 4.7 Inverse Trig ...**

Inverse Trig Functions & Name\_\_\_\_\_ Composite Trig Functions Worksheet Directions: Write the exact trigonometric value of the following problems.

**Inverse Trig Functions Worksheet - Binghamton University**

Free worksheet(pdf) and answer key on finding angles of right triangles using inverse sine, cosine and tangent. scaffolded questions that start relatively easy and end with some real challenges. Plus model problems explained step by step

**Inverse Trig Functions Worksheet (pdf) and Answer Key. 29 ...**

Worksheet 4.8 Composite and Inverse Functions Section 1 Composition We'll begin by defining the composition function  $f \circ g(x) = f(g(x))$ , which is read as "f of g of x". Another helpful way to think about these is to call them "a function (f) of a function (g)". To calculate this function for a given x, first evaluate  $g(x)$ , which will give us a number,

**Worksheet 4.8 Composite and Inverse Functions**

-2- Worksheet by Kuta Software LLC Find the exact value of each expression. 9)  $\csc(\cos^{-1}(\frac{1}{2}))$  10)  $\cos(\sec^{-1}(\frac{1}{2}))$  11)  $\csc(\sec^{-1}(\frac{1}{2}))$  12)  $\sin(\sec^{-1}(\frac{1}{2}))$  13)  $\sec(\cot^{-1}(\frac{1}{2}))$  14)  $\tan(\sec^{-1}(\frac{1}{2}))$  Identify the domain and range of each. Then sketch the graph. 15)  $y = \sin(\cot^{-1}(x))$  16)  $y = \cos(\cot^{-1}(x))$  17)  $y = \tan(\cot^{-1}(x))$  18)  $y = \csc(\cot^{-1}(x))$  19)  $y = \sec(\cot^{-1}(x))$  20)  $y = \cot(\cot^{-1}(x))$  21)  $y = \sin(\tan^{-1}(x))$  22)  $y = \cos(\tan^{-1}(x))$  23)  $y = \tan(\tan^{-1}(x))$  24)  $y = \csc(\tan^{-1}(x))$  25)  $y = \sec(\tan^{-1}(x))$  26)  $y = \cot(\tan^{-1}(x))$  27)  $y = \sin(\csc^{-1}(x))$  28)  $y = \cos(\csc^{-1}(x))$  29)  $y = \tan(\csc^{-1}(x))$  30)  $y = \csc(\csc^{-1}(x))$  31)  $y = \sec(\csc^{-1}(x))$  32)  $y = \cot(\csc^{-1}(x))$  33)  $y = \sin(\sec^{-1}(x))$  34)  $y = \cos(\sec^{-1}(x))$  35)  $y = \tan(\sec^{-1}(x))$  36)  $y = \csc(\sec^{-1}(x))$  37)  $y = \sec(\sec^{-1}(x))$  38)  $y = \cot(\sec^{-1}(x))$  39)  $y = \sin(\cot^{-1}(x))$  40)  $y = \cos(\cot^{-1}(x))$  41)  $y = \tan(\cot^{-1}(x))$  42)  $y = \csc(\cot^{-1}(x))$  43)  $y = \sec(\cot^{-1}(x))$  44)  $y = \cot(\cot^{-1}(x))$  45)  $y = \sin(\tan^{-1}(x))$  46)  $y = 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About This Quiz & Worksheet. Inverse functions make solving algebraic equations possible, and this quiz/worksheet combination will help you test your understanding of this vital process.

**Quiz & Worksheet - Inverse Functions | Study.com**

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**Inverse Functions Review - Belle Vernon Area School District**

\*\*\* It is difficult to “mirror” the graph in word, but you can see the where the inverse graph would cross the  $x = y$  line and see its shape from the pink coordinates. On the test, do your best to sketch the inverse graph.

**Inverse Functions Worksheet - Cabarrus County Schools**

Students should be familiar with basic trigonometry and have an understanding/overview of inverse functions prior to working through the exercises in these worksheets. Each trigonometry worksheet is in PDF for quick and easy printing. You need to find the missing angle to the nearest degree, each exercise contains 8 triangles.

**Trigonometry Worksheet on Inverse Functions - ThoughtCo**

Solve Questions on Inverse Functions with Solutions and Answers. ... On the graph of the inverse function, the above points will have coordinates  $(b, a)$  as follows: ... Free Algebra Questions and Problems with Answers; Free Math Worksheets to Download; High School Math (Grades 10, 11 and 12) - Free Questions and Problems With Answers ...

**Solve Questions on Inverse Functions with Solutions and ...**

Inverse Functions Worksheet 1 Find a table of values for each function and its inverse. 1. ... 4. For each function in problems 2 and 3 (a-b) above, identify whether its inverse is or is not a function. Explain your answer in complete sentences: a. Is the inverse of  $y = x + 1$  a function? ... Find the inverse of each function below using the Flip and ...

**Inverse Functions Worksheet - Anderson School District One**

Answers to questions on finding the inverse function. Free Mathematics Tutorials. Home; Answers to Questions on Finding Inverse Functions. Answers to questions in Find Inverse Functions - Questions are presented. Answer to Question 1  $f^{-1}(x) = (x + 2) / 3$  Answer to Question 2

**Answers to Questions on Finding Inverse Functions**

Worksheet # 1: Precalculus review: functions and inverse functions 1. Find the domain and range of  $f(x) = x + 1$  2. For each of the following conditions, find the equation of the line that satisfies those conditions.

**Worksheet # 1: Precalculus review: functions and inverse ...**

Here is a set of practice problems to accompany the Inverse Functions section of the Graphing and Functions chapter of the notes for Paul Dawkins Algebra course at Lamar University.

## **Inverse Functions Worksheet With Answers**

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