

Chapter 1 : Slope Worksheets

The slope (or gradient) of a line is a number that denotes the 'steepness' of the line, also commonly called 'rise over run'. Knowledge of relevant formulae is a must for students of Grade 8 and above to solve some of these worksheets.

This lesson will use a slide presentation to facilitate teaching students how to find the slope of a line when given the graph of the line or two points. Students will interact with the presentation in two ways: This lesson may be done in one ninety-minute block or broken up over two fifty-minute periods. This lesson would be incorporated in a unit on graphing linear equations. Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. Calculate and interpret the average rate of change of a function presented symbolically or as a table over a specified interval. Estimate the rate of change from a graph. Distinguish between situations that can be modeled with linear functions and with exponential functions. Interpret the slope rate of change and the intercept constant term of a linear model in the context of the data. Primary Learning Objective s: Students will determine the slope of a line when given a graph of the line. Students will draw a line when given its slope and a point on the line. Students will compute the slope of a line when given two points on the line. Additional Learning Objective s: Students will define slope. Students will associate slope with the following terminology: Approximate Duration of the Lesson: Copies of slope worksheet 1 and 2 attached , graph paper, classroom set of white boards optional Technology Resources Needed: The unit on graphing linear equations usually follows a unit that introduces linear equations. Students should be able to graph equations by finding points using tables. Teacher should practice with the presentation software before using and make sure the web link is still active. Prior to lesson, print the attachments included with the lesson or create your own worksheets. If you do not have a television or projector, you may copy the presentation as a handout or make overhead transparencies. Be sure to delete the answers to the in-class practice problems if used as a handout. Explain to students they will be taking notes and working example problems during the presentation. Distribute graph paper to facilitate student notes. During the presentation, the students will also have the opportunity to complete a slope activity on the Internet. At the appropriate times, students will receive two different worksheets to complete and turn in for a grade. Begin PowerPoint presentation or lecture defining what slope means in math. Do examples, assign in-class practice, and provide opportunities for student interaction and questions. Several in-class practice problems are included within the presentation. The second part of the lesson is to draw a line given a point and a slope. You can have students put their answers to the in-class practice on the board. If you have a classroom set of white boards, all students may complete the activity at their seats and show you their board for checking when finished. Stop and complete slope worksheet 1. Estimated completion time is minutes. Display "Work Time" slide while students complete the activity. Students will turn in completed worksheet. If you are doing this lesson in two fifty-minute periods, this would be the end of the first day. Explain to students how to find slope when given two points. If you are able to link to the web page on the PowerPoint slide, do the examples and in-class practice on that site. Allow students to come to the front to create the problems for the in-class examples. If you are not able to connect to the Internet, allow students to do in-class practice on the board or their personal white boards. Students can still pick the points for the in-class practice. When finished with guided practice, assign slope worksheet 2. If there is not enough time to complete the worksheet, assign it as homework and collect the next day. The purpose of this website is to provide dynamic multimedia activities that allow teachers and students to interact together. Use the following link to summarize the lesson by reviewing the quiz as a class. Purple Math This website provides a quiz on slope. Close the lesson by linking to the following website and letting students respond to quiz questions individually. This could also be used the day after the slope lesson as a class starter. This website provides a quiz on slope. Others will prompt you to download.

Chapter 2 : Slope Of A Line Worksheets - Printable Worksheets

DOWNLOAD PDF FIND THE SLOPE OF A LINE WORKSHEET

Slope of a Line (Graphed Points) Worksheet 4 - Here is a 9 problem worksheet where you will be asked to find the rise and run between two points on a line, then determine the slope of the line. This worksheet includes some points located at the origin of the coordinate graph.

Chapter 3 : Find Slope Of A Line Worksheets - Printable Worksheets

Some of the worksheets displayed are Slope date period, Slope from two points, Slope of a line 1, Types of slopes 1, Find the slope level 1 s1, Finding slope work, Finding the slope of a line given the coordinates of two, Model practice challenge problems vi.

Chapter 4 : Free worksheets for graphing linear equations & finding the slope and equation of a line

Find the slope of each line. 1) x y 2) W Worksheet by Kuta Software LLC Find the slope of the line through each pair of points. Slope Date _____ Period.

Chapter 5 : Worksheet finding the slope of a line | Download them and try to solve

Some of the worksheets displayed are Slope date period, Slope from two points, Find the slope level 1 s1, Types of slopes 1, Rise graph the points and find slope using m run, Finding slope work, Slope of a line 1, Model practice challenge problems vi.

Chapter 6 : Slope of a Line Worksheets | Math Worksheets

Free printable worksheet (pdf) and Answer Key on slope includes visual aides, model problems, exploratory activities, practice problems, and an online component Slope of a Line Worksheet with Answer Key.

Chapter 7 : 15 Finding the Slope Of A Line Worksheet - Semesprit Worksheet

Finding the slope and y -intercept of a linear function worksheet: Here we are going to see some practice questions on finding slope and y -intercept of a linear function.

Chapter 8 : Equation of a Line Passing Through Two Points Worksheets

Truthfully, we have been noticed that 15 Finding The Slope Of A Line Worksheet is being just about the most popular issue with reference to document template example right now. So that we attempted to obtain some good 15 Finding The Slope Of A Line Worksheet picture to suit your needs.

Chapter 9 : Determining Slope From a Graph Worksheet | Wyzant Resources

Worksheet by Kuta Software LLC Algebra 1 Finding slope of a line Name _____ Find the slope of each line. 1) x y 2) x y 3) x y 4) x y 5) x y 6) x y .