# Parallel And Perpendicular Lines Investigation Answer Sheet

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## Parallel And Perpendicular Lines Investigation
This is an investigation worksheet which involves the students graphing parallel and perpendicular lines and then finding the relationship between the gradients. Other topics covered: Processes and Applications; functions and graphs. This worksheet can be given for students to investigate or discuss or as a test for pupil progress.

## Parallel and Perpendicular Lines Investigation | Teaching ...
Investigation l: Parallel Lines 1. Each graph below contains pairs of lines. Calculate the slope of each line, and record the results in the table on the next page. Ine Exploring Slopes of Parallel and Perpendicular Lines

## Slope of parallel and perpendicular line investigation
• Draw a line parallel to the original line • Draw a line perpendicular to the original line • Explore the relationships between the slopes of parallel and perpendicular lines How are the equations of parallel and perpendicular lines related? The drawing and measurement tools allow us to set the stage for investigation as we explore the ...

## Investigating the Slopes of Parallel and Perpendicular Lines
Parallel Lines Investigation Date : The equation of Line A is y = — The equation of Line B is y = 2 The equation of line C is y = -3x-2. Mod : ... Perpendicular Lines Investigation Date : Mod : Directions: Graph the points and use a ruler to draw the line that passes through

## Parallel and Perpendicular Lines Investigation
5. What is the slope of the red line now? 6. What is the slope of the purple line now? 7. Make a conjecture (prediction) about the slopes of parallel lines. 8. Make a conjecture about the slopes of perpendicular lines. Further Investigation Can parallel lines have the same y-intercept? Explain why or why not. Can perpendicular lines have the ...

## Investigating Slopes of Parallel and Perpendicular Lines ...
Write the equation of the line in slopeintercept form. EOC: Find the slope of the line: 10/17 Parallel and Perpendicular Investigation E) How can you tell if two equations will have parallel lines? F) How can you tell if two equations will have perpendicular lines? G) Will y = 2x and y = 2x be parallel, perpendicular, or neither?

## Parallel and Perpendicular Investigation
Parallel vs Perpendicular Lines Investigation. Author: Antonina Berube. Click on the tools above to create points. Click on the third button to connect these to make a line. Click on the equation and change to slope intercept form.

## Parallel vs Perpendicular Lines Investigation – GeoGebra
An investigation into parallel and perpendicular lines within flags.

## Investigating parallel and perpendicular lines. | Teaching ...
Perpendicular Lines Investigation Answer Sheetchanges when lines are parallel to then being perpendicular. An extension and challenge worksheet are also provided which work towards GCSE style questions. Slope of parallel and perpendicular line investigation Parallel Lines Investigation Date : The equation of Line A is y = — The equation

## Parallel And Perpendicular Lines Investigation Answer Sheet
One alternative is to use a guided inquiry, which might start with either of the prompts on the left. Marking an angle with a red dot or adding a statement (and indicating the parallel lines with arrows) has, in the past, steered students towards posing questions and making comments about angle properties. Often, they speculate about the size of other angles by measuring or 'by eye'.

## Parallel lines inquiry - Inquiry Maths
Created Date: 10/10/2011 4:26:25 PM

## Wapak
Parallel Lines Investigation Date : The equation of Line A is y = =gx-2 The equation of Line B is y The equation of line C is y = Directions: Use the points given to write the equation of each line in slope- intercept form. RED LINE BROWN LINE GREEN LINE Directions: Use your graph to help answer the following questions. 1. 2. 3.

## Parallel lines investigation - Math with Franke - Home
Perpendicular lines cross each other at right angles. Watch the video to discover the difference between parallel and perpendicular lines. Don't forget to test what you've learned with the quiz below!

## What are parallel and perpendicular lines? - BBC Bitesize
Follow the steps below to draw pairs of lines, which are perpendicular. 1. Label your graphs Perpendicular Lines #1 and Perpendicular Lines #2. 2. Plot the points (-1, 8), (2, 3), and (7, 6) on Perpendicular Lines #1. Label these points X, Y and Z. 4. Take your ruler and draw lines XY and YZ. Extend these lines beyond where they intersect. 5.

## Name Math Slope Investigation Signs of Slopes Parallel and ...
When constructing parallel lines, remember that the lines always stay the same distance apart. Follow the steps below to draw perpendicular and parallel lines using a protractor and a ruler. We want to draw a line that is parallel to XY and that passes through point A. Step 1: Draw a perpendicular line between A and XY.

## Parallel and perpendicular lines | Construction of ...
Parallel & Perpendicular Lines Slope Bundle includes 4 products.1. Slope: Notes & PracticeThis resource is intended to review slope with students in an Algebra 1 class before teaching linear equations or in a high school Geometry class before teaching about parallel and perpendicular lines.O. Subjects:

## Parallel And Perpendicular Lines Group Activity ...

The first activity is an investigation about the slopes and y-intercepts of parallel lines. The second activity is an investigation about the product of the slopes of perpendicular lines. These activities assume that students already know how to graph lines and find the slope of a line, either from the graph or the equation.

**Parallel and Perpendicular Lines Investigations by The ...**
Write equations of 3 lines that are parallel to y = 2x – 3. 10) Write equations of 3 lines that are not parallel to y = 5x – 2. Perpendicular Lines Investigation. Name Directions: Graph the points and use a ruler to draw the line that passes through them. Use the designated color to draw each line. BLUE: (0, 2) (2, –1)

**Parallel Lines Investigation**
Templates of the flags can be downloaded here to enable the children to mark and measure angles, and identify parallel and perpendicular lines. Mirrors and tracing paper would be useful. Here is a useful website that gives lots of background information about flags and printable resources.

**National Flags - NRICH**
Notes: PARALLEL LINES INVESTIGATION Geometry Unit 2 – Parallel & Perpendicular Lines Page 103 CONCLUSION: a. Describe how Figure #1 and Figure #2 are different. _____ b. List the TYPES of angle pairs were congruent in both Figure #1 and Figure #2.

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