

Welcome to Math!

Put your homework on your desk.
Begin the second worksheet.

Unit Map - Geometry

~~Wednesday - Parallel Lines Cut by a Transversal~~

Thursday - Proving Lines Parallel and Perpendicular

Friday - Pythagorean Theorem and its Converse

Monday - Distance and Midpoint Formula

Tuesday - Use coordinates to solve geometric problems

Wednesday - NO SCHOOL - TEACHERS MARCH

Thursday - Geometry Review

Friday - Geometry Test

Announcements

Last unit! Geometry!

Geometry test is next week on Friday

Flashback Friday starting for real this Friday

EOC review will begin soon - The EOC will be on May 30th.

Panera Study Day on May 27 from 2-5 PM

Parallel Lines...

NEVER intersect.

Have the same slope.

Have a different y-intercept.

Example: $y = \frac{1}{2}x + 1$ and $y = \frac{1}{2}x - 2$

Perpendicular Lines...

Intersect to form a right angle.

The slopes are opposite reciprocals.

The y-intercepts do not matter.

Example: $y = \frac{1}{2}x + 4$ and $y = -2x + 9$.

Intersecting Lines...

If lines intersect but do not form a right angle, they are neither parallel nor perpendicular.

Slopes are not equal and not opposite reciprocals.

Are the graphs of $4y = -5x + 12$ and $y = \frac{4}{5}x - 8$ parallel, perpendicular, or neither?

A line passes through $(12, 5)$ and is parallel to the graph of $y = \frac{2}{3}x - 1$.

What equation represents the line in slope-intercept form?

What is the equation of the line that passes through (2,4) and is perpendicular to the graph of $y = \frac{1}{3}x - 1$

IXL Practice

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Homework

Flashback Friday Code: DU5FA8GY2