

ALGEBRA II
Chapter 2 section 2
Find Slope and Rate of Change
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FOCUS:

How do you determine whether two nonvertical lines are parallel or perpendicular?

VOCAB:

Slope: _____

Parallel: _____

Perpendicular: _____

Rate of Change: _____

WARM – UP:

Evaluate each expression.

1. $\frac{4-3}{7-8}$ _____

2. $\frac{8-8}{3-5}$ _____

3. $\frac{2-7}{5-5}$ _____

4. An internet company had a profit of \$2.6 million in retail sales over the last five years. What was its average annual profit?

NOTES:

The roof of an entryway to an office building has a rise of 40 feet and a run of 100 feet. What is its slope?

What is the slope of the line passing through the points (-4, -5) and (6, -2)?

Without graphing, tell whether the line through the given points rises, falls, is horizontal, or is vertical.

(1, 6) & (8, -1)

(-4, -3) & (7, 1)

(-5, 3) & (-5, 1)

(9, 2) & (-9, 2)

Tell whether the lines are parallel, perpendicular, or neither.

Line 1: through (-2, 1) and (0, -5)

Line 2: through (0, 1) and (-3, 10)

Line 1: through (-5, 3) and (-2, -3)

Line 2: through (4, 11) and (-4, -5)

Let's see if you comprehended what we worked on in class...

Try _____ for homework