Thursday, February 14, 2019

- Warm-up

$$Slope = \frac{y_2 - y_1}{x_2 - x_1}$$

$$\frac{f @ 1}{-2 \ -1 \ 0}$$

  - For the given pairs of points, calculate the slope and distance then determine the relationship between the lines

	Line A Points A: (2, 1) (5, -1)	Line B Point B: (3, 2) (-1, -4)
Slope	$\frac{-1-1}{5-2} = \frac{-2}{3}$	$\frac{-4-2}{-1-3} = \frac{-6}{-4} = \frac{3}{2}$
Distance	$\sqrt{(-1-1)^2 + (5-2)^2} = \sqrt{13}$	$\sqrt{(-4-2)^2 + (-1-3)^2} = \sqrt{52}$
Relationship	Lines are perpendicular because slopes are opposite reciprocals	

- Turn in your warm-up sheet after your test before you go (so you can finish your homework if necessary if you haven't yet)

- Test

Objectives
Content: I will demonstrate my learning about coordinate geometry on my test.
Social: I will be part of a conducive testing environment.
Language: I will read questions carefully to answer them fully.