

Finding the slope computationally 12.13.16

Warm up: Go over the HW

Have students try exercises 1.

Talk about finding the slope given two points (1,1), (3,5). Plot these points and discuss the old way of finding slope. Then calculate the slope using the formula.

$m = \frac{y_2 - y_1}{x_2 - x_1}$  Plug in the points and solve for m. Show what this means on the graph. Y-y gives us this distance and x-x gives the other distance. Show the triangle.

Show again with (3,2) and (7, 4).

And again with (2,6) and (5, 3)

And again with (-5, 5) and (-3,-10)

HW: Problem set #1,2,3