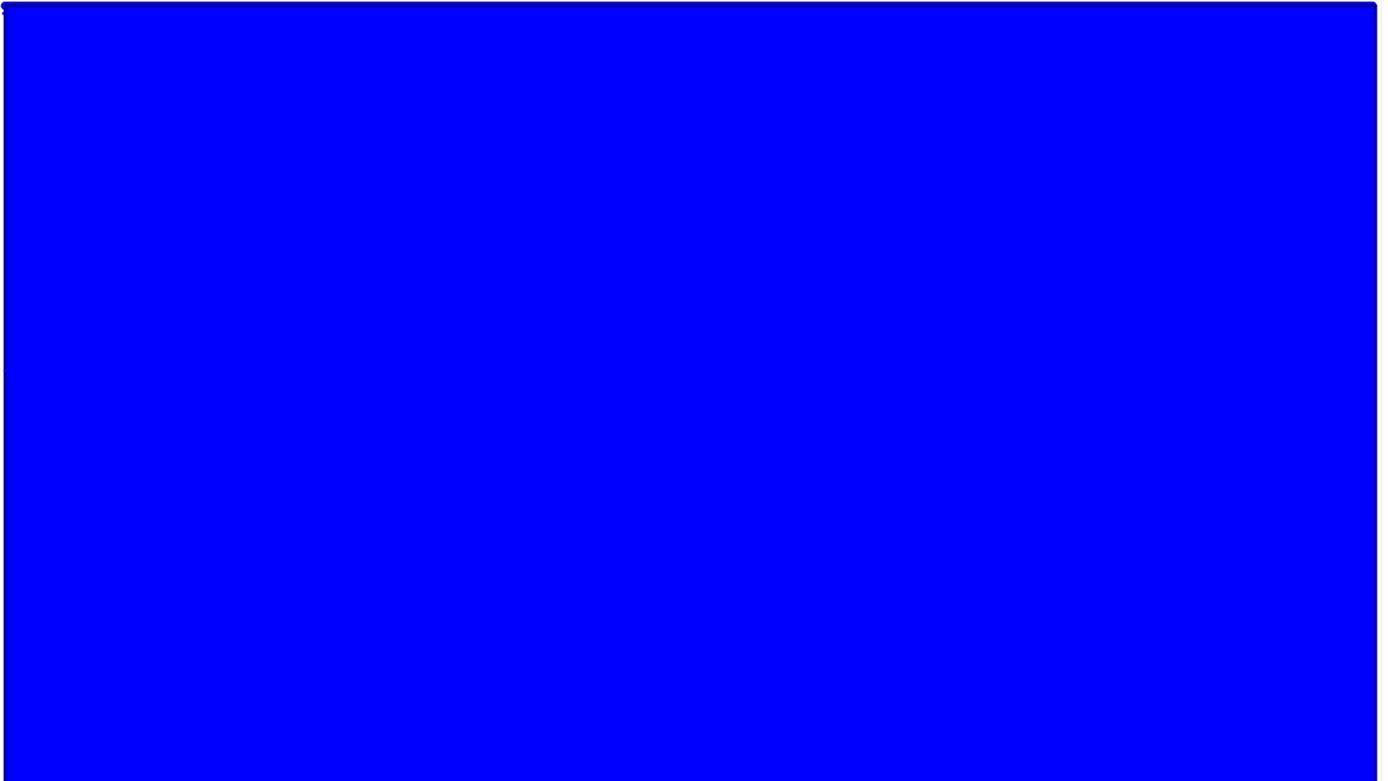


February 12, 2015^{4th}
Starter



2/23 Slope - computing and graphing

60 sec Quick Write: What is SLOPE?

Pair-Share: the partner closest to the outside window or the front of the class goes first.

Ideas:

line on a graph

Ski slope

hill up/down

diagonal

fraction

Steep stairs

slanted

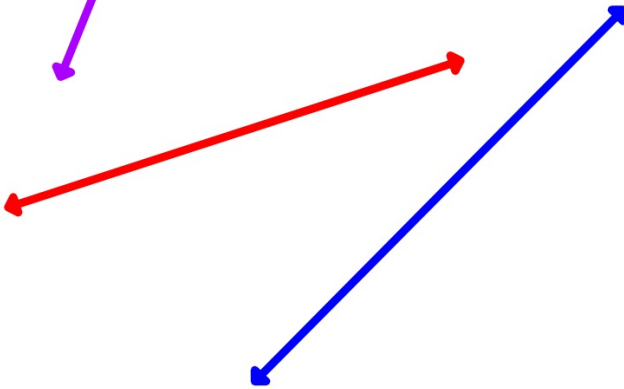
What can you tell about the slopes of these lines?

Talk to your partners - the OTHER person goes first this time.

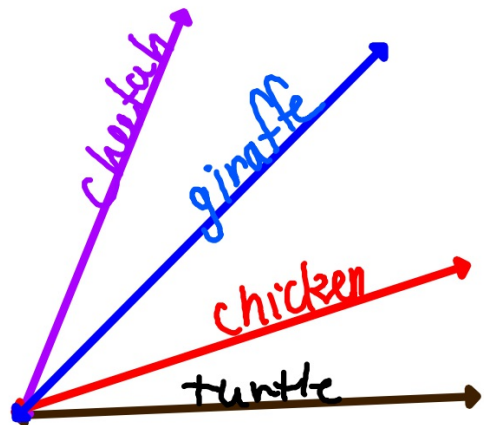
Flattest
= slowest



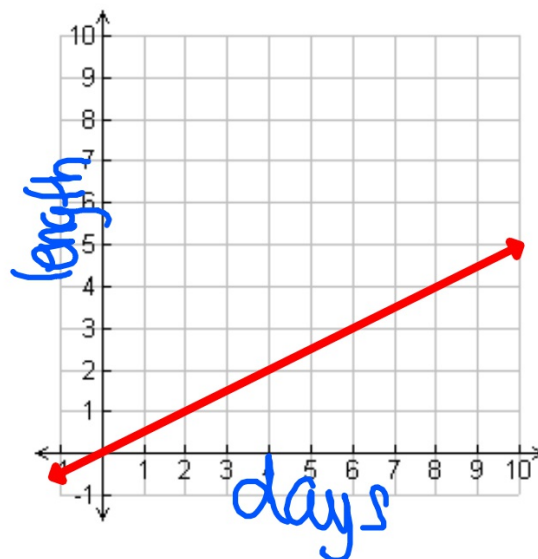
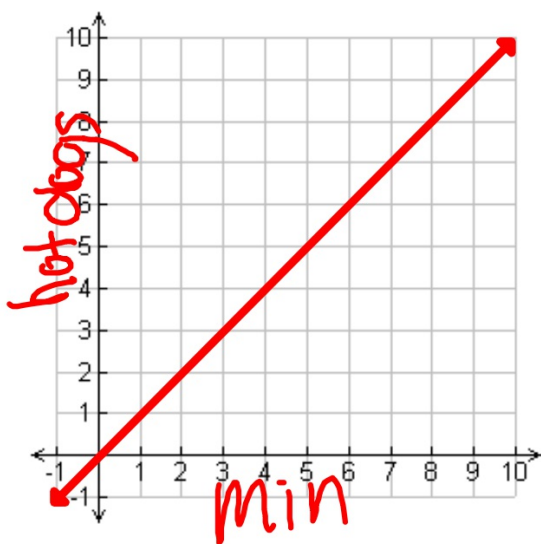
Steepest
= fastest



uphill
different angles



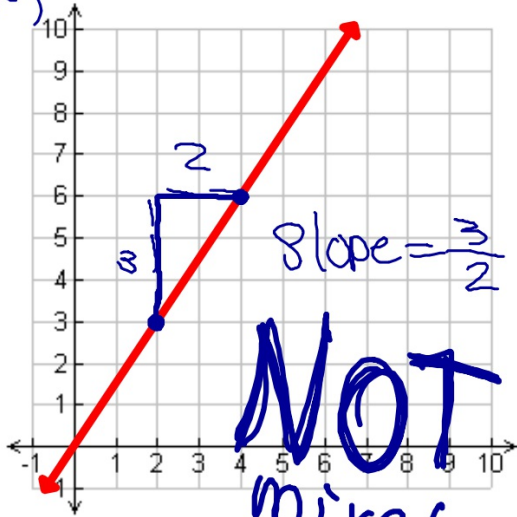
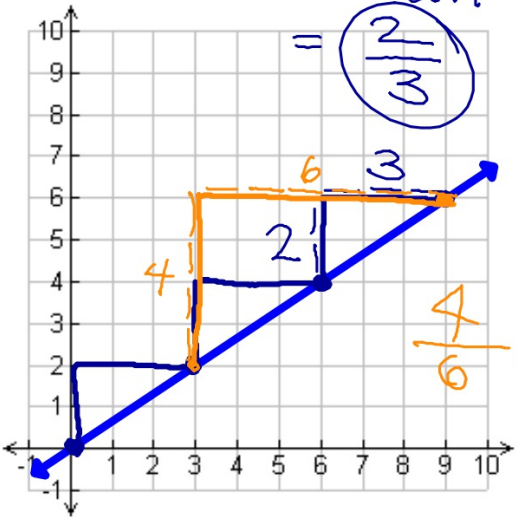
What about these slopes?



What rates could they represent?

Slopes are represented by numbers...
numbers that explain the rate.

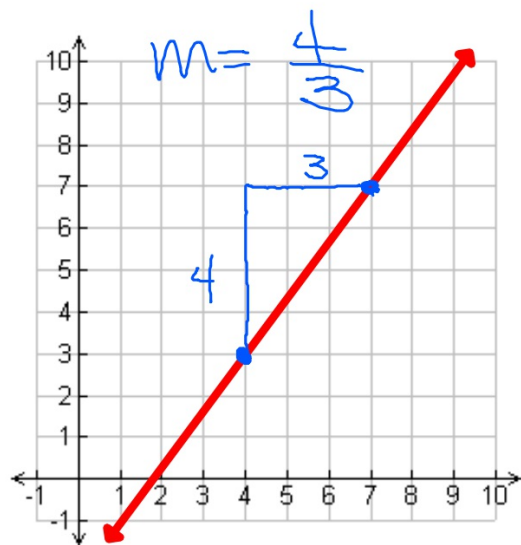
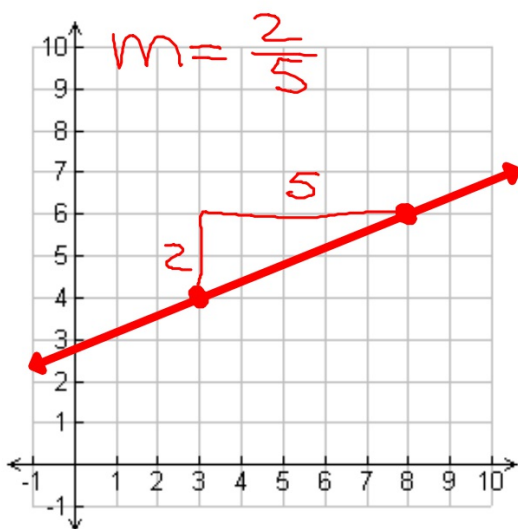
slope = $\frac{\text{rise}}{\text{run}}$ (up) (over)



NOT
mixed
numbers!

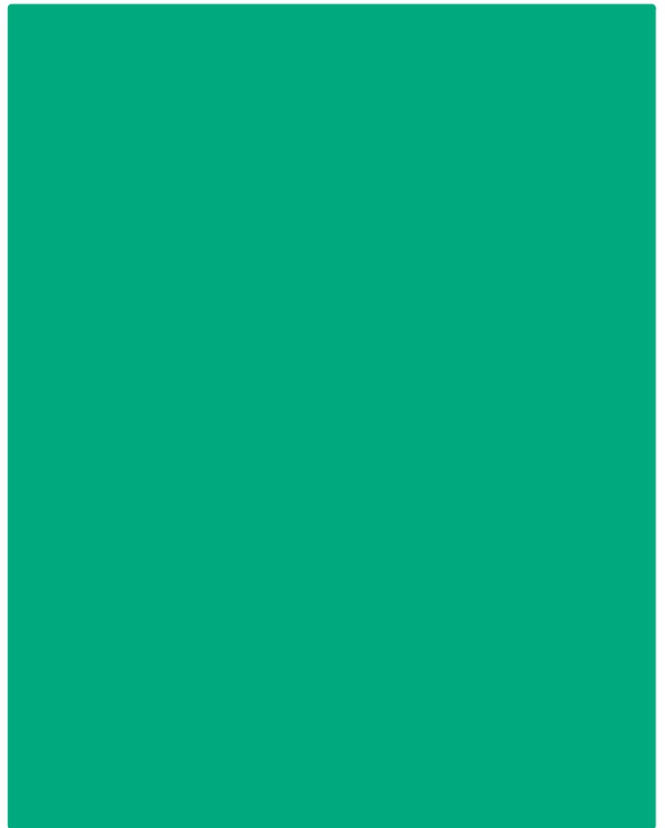
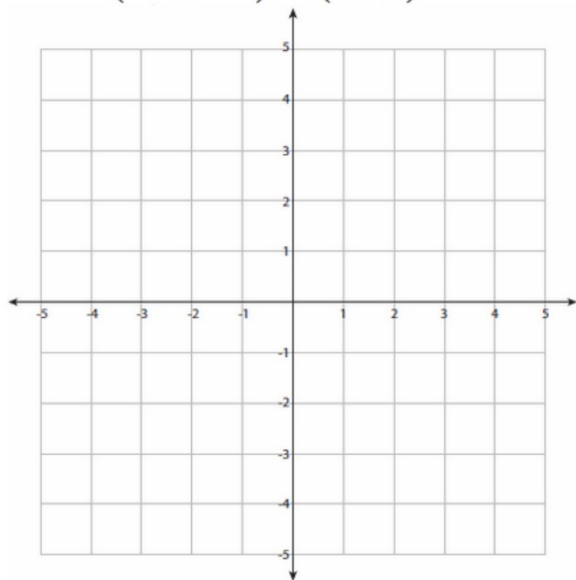
The line does not need to start at (0,0).
You can still compute the rate (slope) the same way.

Find the slopes of each line:
(m)



Graph these points, then find the slope of the line that goes through both of them.

$(-1, -2)$ $(3, 4)$



Homework

Blue WS9

Due Tuesday