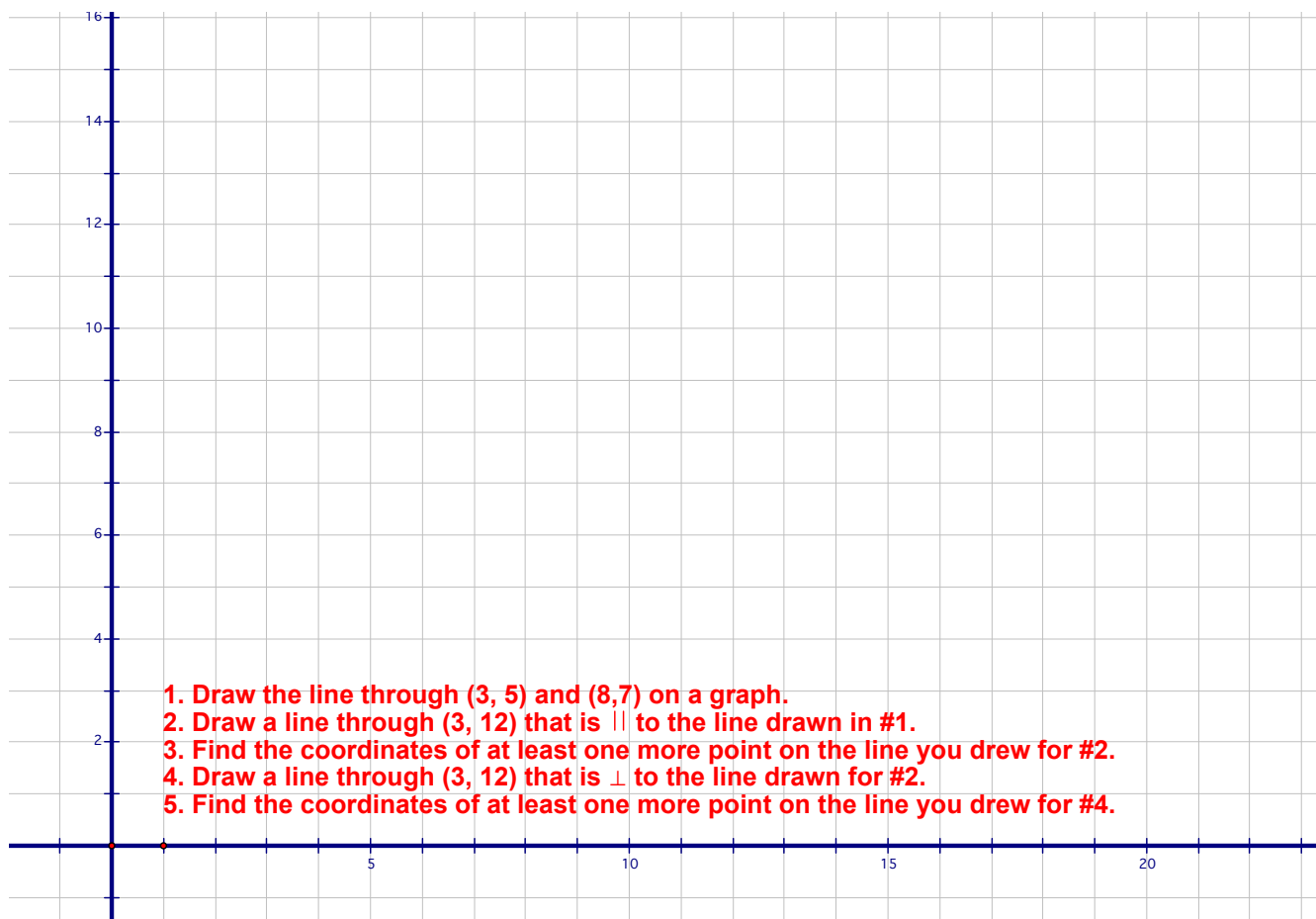


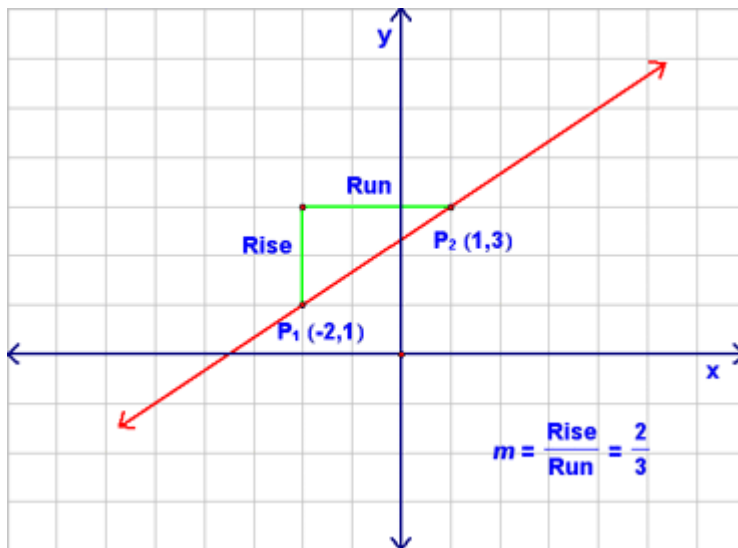


Slope - Lesson 4.6

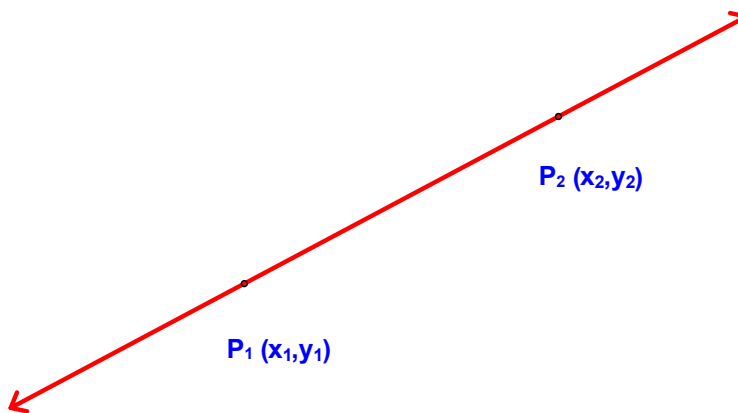
Here's today's warmup!



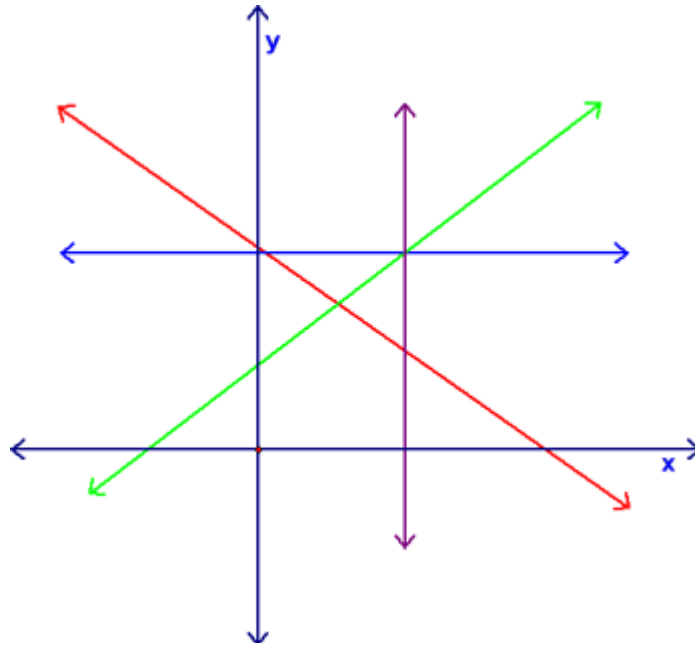
Let's start today by looking at something that you've done in the past: figuring out the slope of a given line. We all remembered that if we have a graph, then it's easy to find the slope by counting the rise over the run:



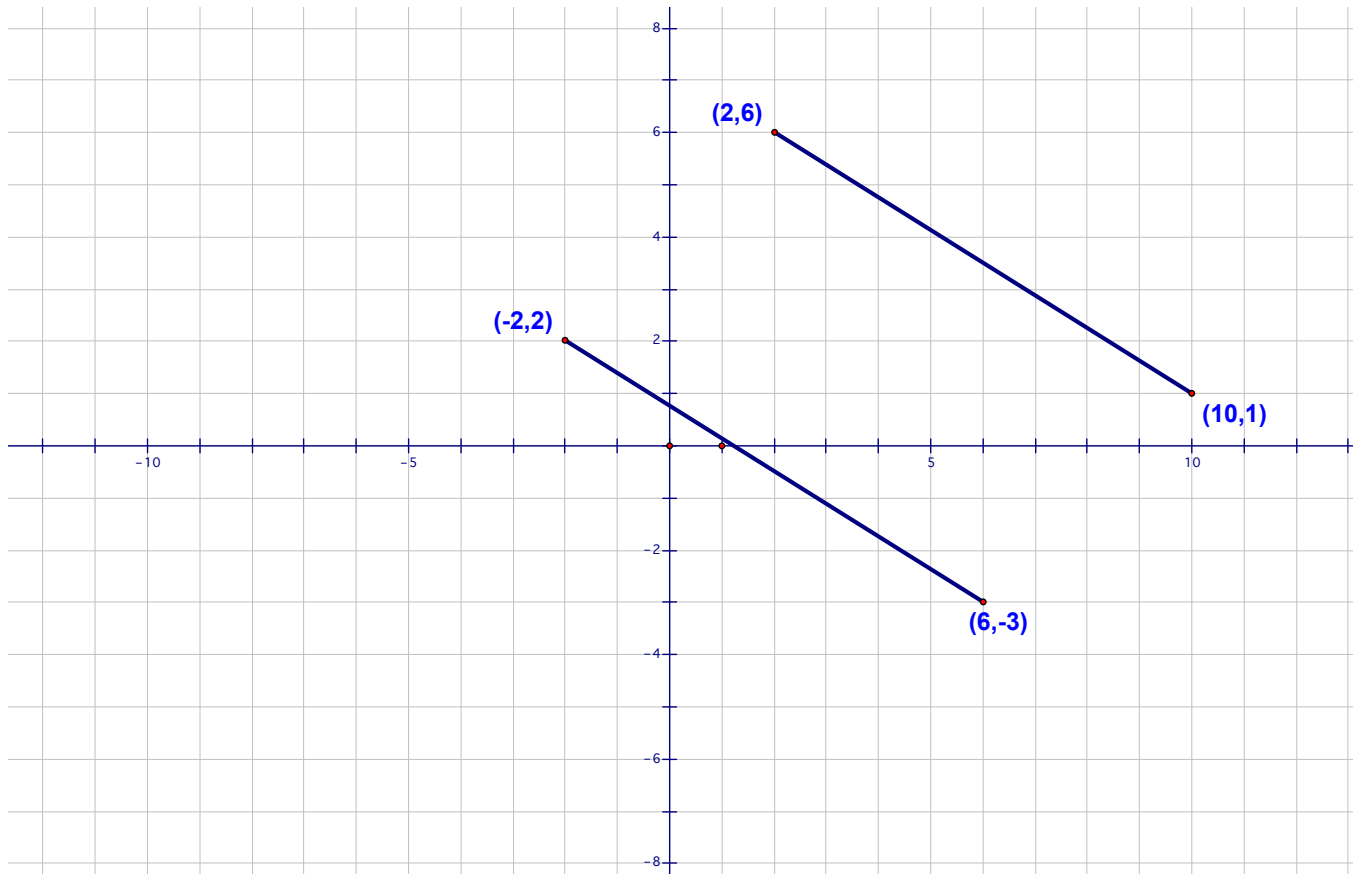
Now, let's look at the general case and see if we can come up with a slope formula (I know you've covered this before - just make sure you remember how to do it!!):



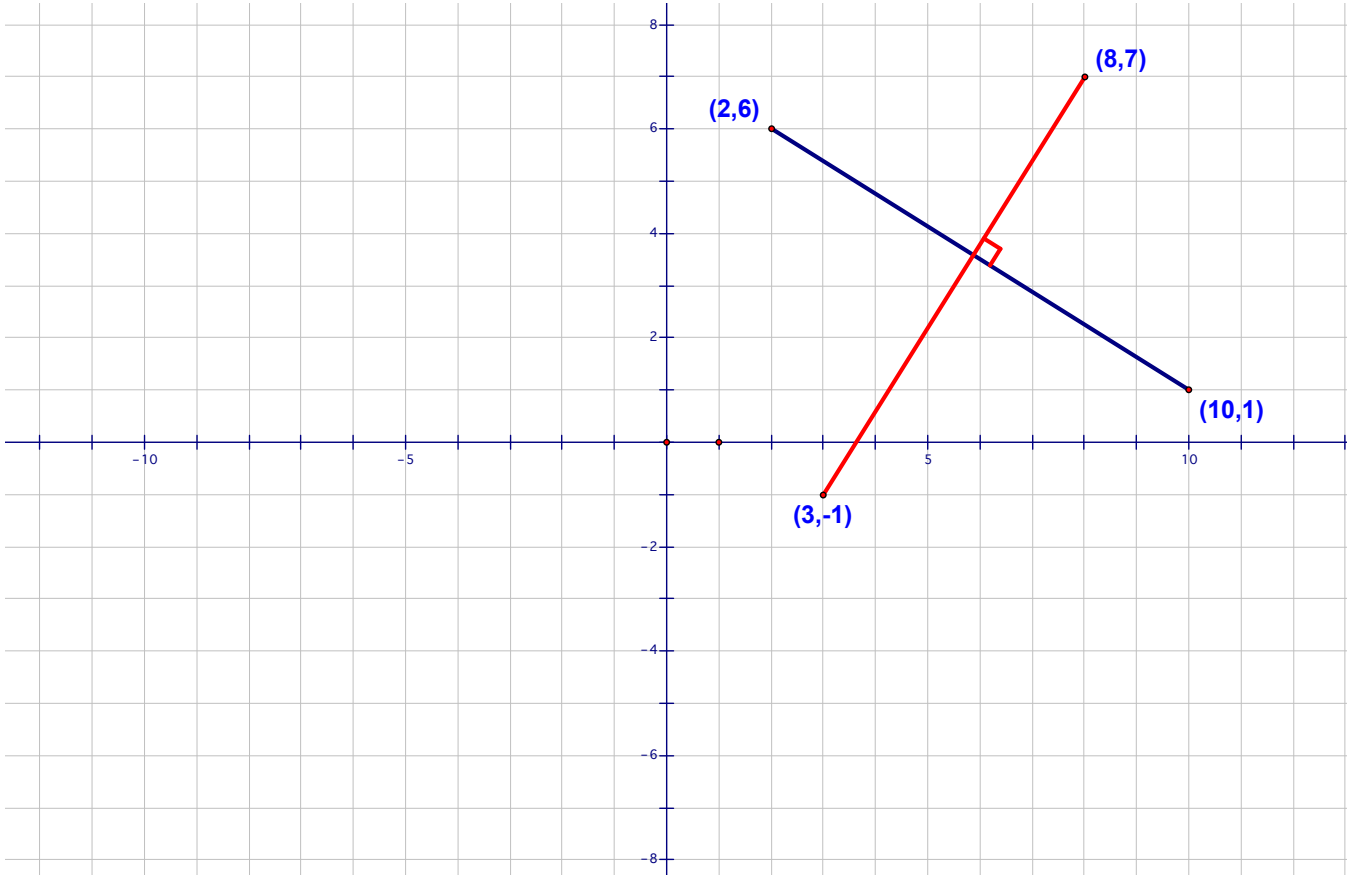
Now, let's recall what different types of sloped lines look like...you should be able to tell which of the line below have positive slope, negative slope, 0 slope, and an undefined slope.



Lastly, let's look at the slopes of parallel and perpendicular lines...what can you say about the slopes of the following parallel segments?



How about the slopes of these two perpendicular segments?



Let's finish with an example...can you answer all the questions posed? If not, make sure to come to extra help!!

