







Distance between Parallel Lines WITH SLOPE

1) Graph both lines

2) Create an equation that would be perpendicular to both lines. Then Graph!

a) Use the Negative Reciprocal slope

b) Use ONE of the y-intercepts given from the parallel lines

3) Label both points of intersection

* IF one of the points of intersection is NOT obvious, you must use substitution or elimination to find the point

4) Use the distance formula with the two points of intersection to find the length of the segment

Find the distance between the given lines y = (1/2)x + 3y = (1/2)x + 1