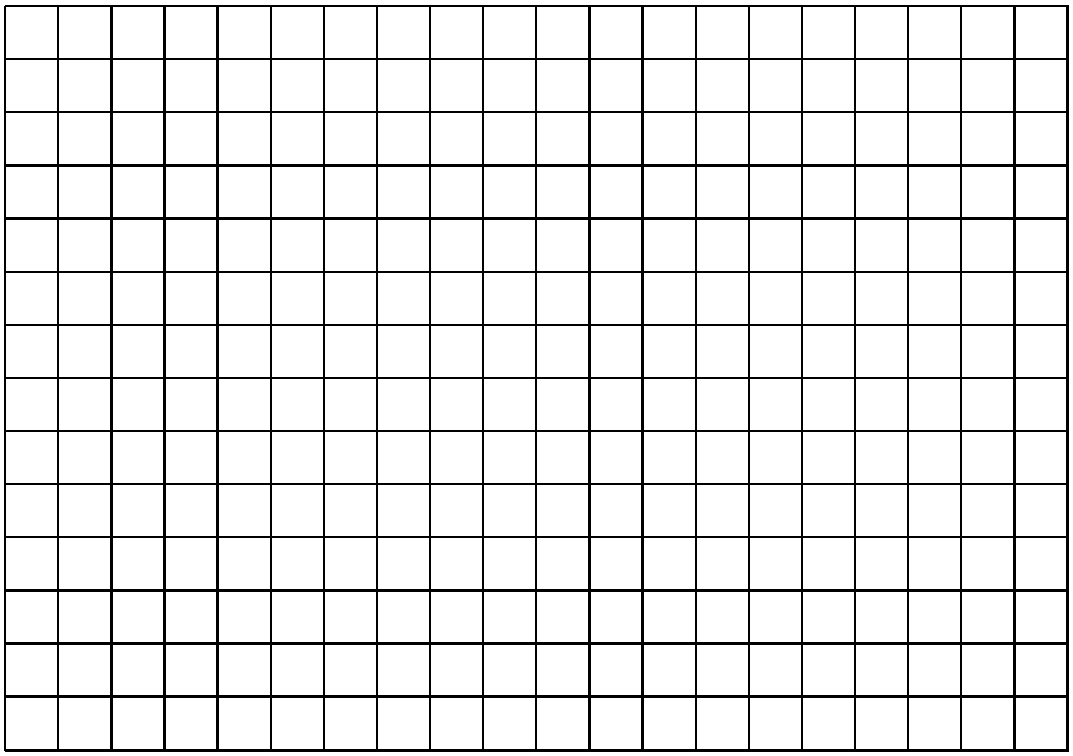
Math 118 - Dr. Miller - Activity #12: Slopes of Parallels

1. Find the slope of the line through $A = (5, -1)$ and $B = (3, 4)$ as a fraction and also as TWO verbal descriptions (like the Grade 5 example) in terms of up/down and left/right. (One description has you moving from A to B; the other goes from B to A.)



2. Let $X = (-2, 1)$ with A and B above. Find coordinates of two different points Y where $\overleftrightarrow{XY} \| \overleftrightarrow{AB}$ and $XY = 2AB$.

3. Let $K = (1, -4)$ with A and B as above. Find THREE possible answers for the coordinates of a point L so that A, B, K, and L are the vertices of a parallelogram.