Slope Triangles Outside

Directions: As a team of 4, you will be going outside to your coordinate plane and calculating slope. Each person will play one of the following 4 roles (and you will rotate each time).

- The Director will read the coordinates and oversee correct math for each problem and be responsible for recording the final slope.
- Point A will begin at the origin and holding a rope, run to the x-coordinate of point A and then to the y-coordinate of point A.
- Point B will begin at the origin, run to the x-coordinate of point B and then to the y-coordinate of point B. Point B needs to hold the other side of the rope so that points A and B are connected.
- Once the two points are graphed and the rope is being held, the Director and Slope Runner need to call out if the slope is "positive" or "negative".
- The Slope Runner will start at the point the farthest to the left of the grid and then run straight up or down to match where point B is on the y-axis and then run right to reach point B. The Slope Runner needs to keep track of how far up or down and how far right he/she ran and then call out the slope when he/she arrives at point B.

Record the slope for each problem below AFTER the Slope Runner has completed his/her task. If the slope is NOT is simplest form (e.g., $\frac{4}{8}$, this can be written in simplest form as $\frac{1}{2}$).

Problem #	Point A	Point B	Predict: positive or negative slope?	Slope	Slope in Simplest Form
1.	(1, 4)	(3, 6)			
2.	(-2, -4)	(0, 0)			
3.	(1, 1)	(3, -5)			
4.	(-2, -1)	(3, 0)			
5.	(-3, 5)	(0, 8)			
6.	(4, 0)	(5, -2)			
7.	(0, 0)	(1, 5)			
8.	(0, 4)	(2, -1)			