Section 1: Solving and Analyzing Linear Equations

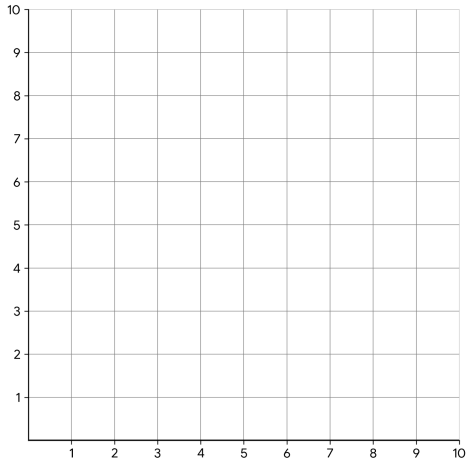
Instructions: For each equation provided in Standard Form, show your work to convert it into Slope-Intercept Form ($y=mx+b$). Then, identify the slope (m) and the y-intercept (b). You are asked to fill in each section with your work, slope-intercept form, slope, and y-intercept.

#	Equation in Standard Form	Show Your Work	Slope-Intercept Form ($y=mx+b$)	Slope (m)	Y-intercept (b)
1	**3x + 4y = 12**				
2	**-2x + 7y = 5**				
3	**5x - y = 20**				
4	**(1/3)x + 2y = 10**				
5	**8x + 6y = -24**				
6	**4(x - 2y) = 16**				
7	**9x + 3y = 18**				
8	**-4x + y = 11**				
9	**2x - 5y = -15**				
10	**(2/5)x - y = 7**				

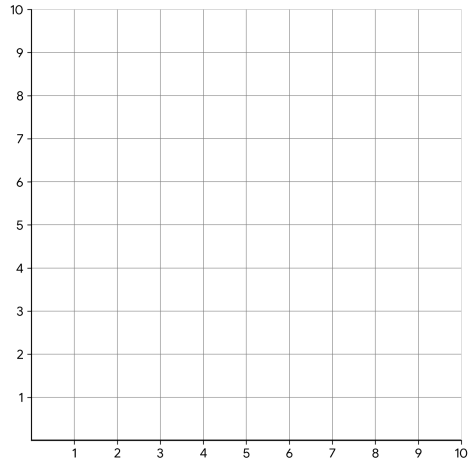
Section 2: Graphing Practice

Instructions: Graph the following linear equations on the provided coordinate plane (or separate graphing paper).

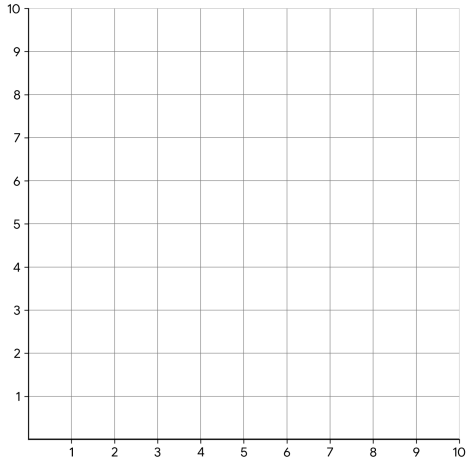
1. **-6x + 2y = 3**



2. **y = (3/2)x + 4**



3. **3x + y = 6**



4. **-(2/3)x + y = 4**