

List of Equations

Part I

Note that these equations are grouped with the same slope, for instructor convenience. Depending on the number of students in your classroom, you may want to remove or add equations. Each pair of students will be assigned an equation.

	<u>Standard Form</u>	<u>Slope-Intercept Form</u>
Group 1:	$6x - 2y = -2$	$y = 3x + 1$
	$9x - 3y = -12$	$y = 3x + 4$
	$3x - y = -2$	$y = 3x - 2$
Group 2:	$6x + 3y = -15$	$y = -2x - 5$
	$4x + 2y = 2$	$y = -2x + 1$
	$8x + 4y = -8$	$y = -2x - 2$
Group 3:	$x - 2y = -8$	$y = \frac{1}{2}x + 4$
	$x - 2y = -10$	$y = \frac{1}{2}x - 5$
	$2x - 4y = 8$	$y = \frac{1}{2}x - 2$
Group 4:	$x - y = -3$	$y = -\frac{1}{3}x + 1$
	$4x + 12y = -60$	$y = -\frac{1}{3}x - 5$
	$x + 3y = 12$	$y = -\frac{1}{3}x + 4$

Part II

For the instructor's convenience, the following equations are the same as those given in part 1, but are grouped with the same y -intercept. Depending on the number of students in your classroom, you may want to remove or add equations. Each pair of students will be assigned an equation.

	<u>Standard Form</u>	<u>Slope-Intercept Form</u>
Group 1:	$6x - 2y = -2$ $4x + 2y = 2$ $x - y = -3$	$y = 3x + 1$ $y = -2x + 1$ $y = -\frac{1}{3}x + 1$
Group 2:	$9x - 3y = -12$ $x - 2y = -8$ $x + 3y = 12$	$y = 3x + 4$ $y = \frac{1}{2}x + 4$ $y = -\frac{1}{3}x + 4$
Group 3:	$3x - y = -2$ $8x + 4y = -8$ $2x - 4y = 8$	$y = 3x - 2$ $y = -2x - 2$ $y = \frac{1}{2}x - 2$
Group 4:	$6x + 3y = -15$ $x - 2y = -10$ $4x + 12y = -60$	$y = -2x - 5$ $y = \frac{1}{2}x - 5$ $y = -\frac{1}{3}x - 5$