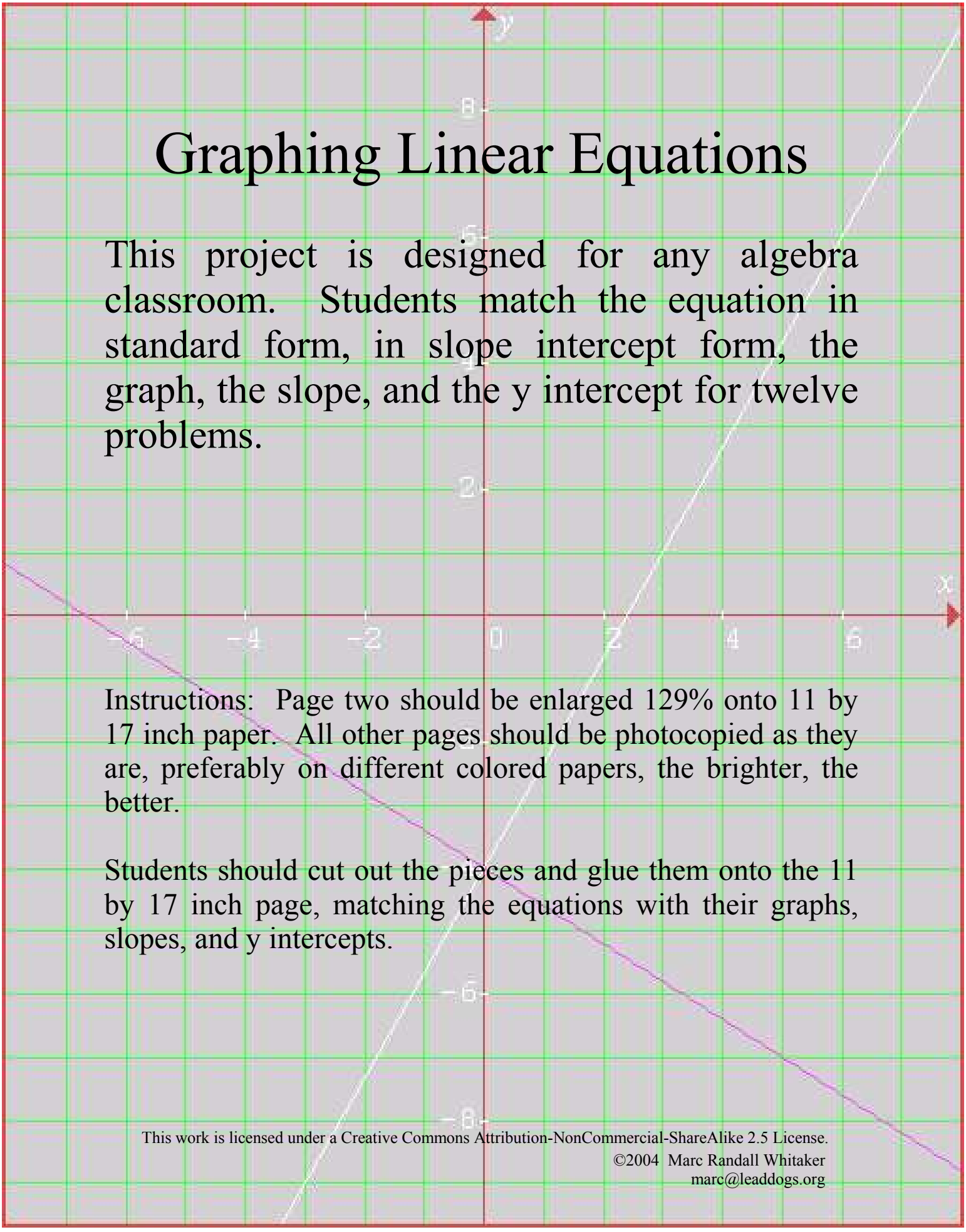
Graphing Linear Equations

This project is designed for any algebra classroom. Students match the equation in standard form, in slope intercept form, the graph, the slope, and the y intercept for twelve problems.



Instructions: Page two should be enlarged 129% onto 11 by 17 inch paper. All other pages should be photocopied as they are, preferably on different colored papers, the brighter, the better.

Students should cut out the pieces and glue them onto the 11 by 17 inch page, matching the equations with their graphs, slopes, and y intercepts.

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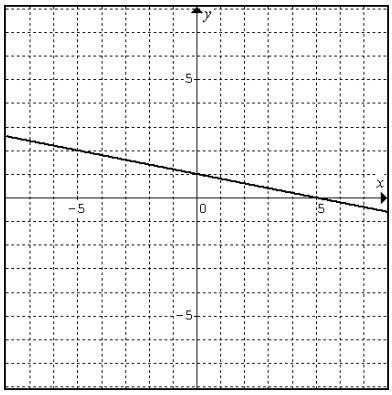
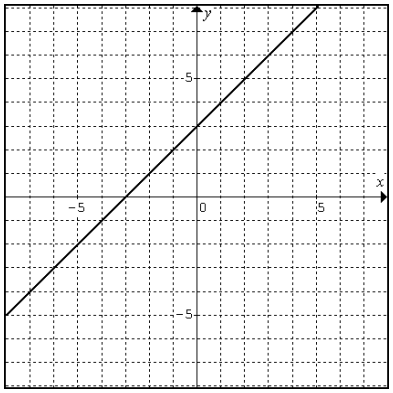
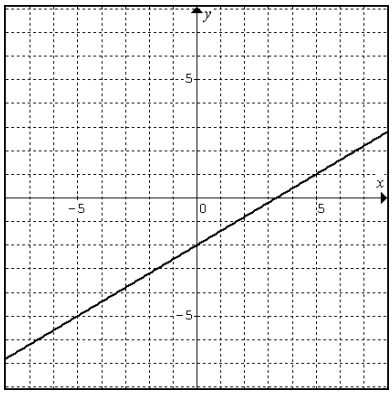
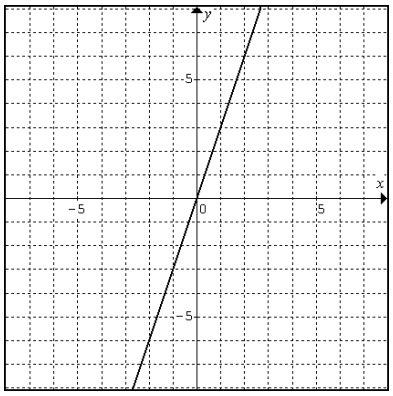
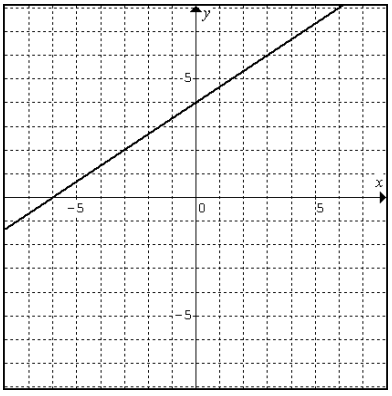
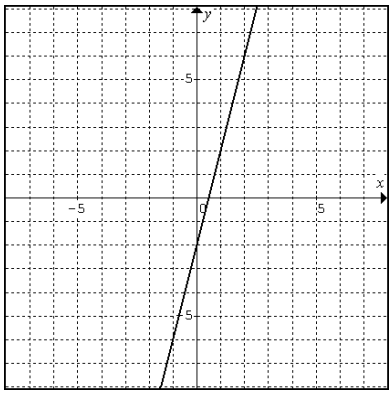
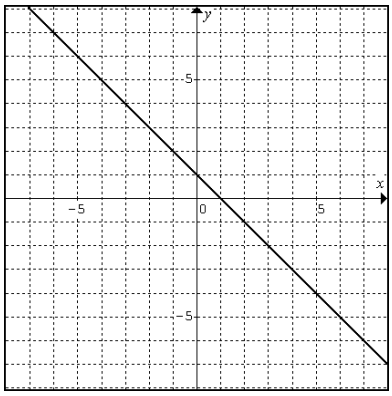
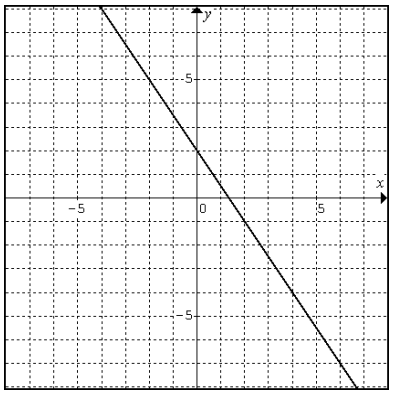
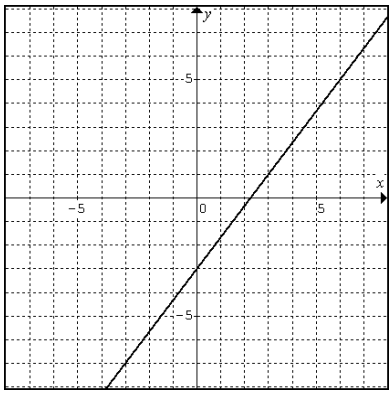
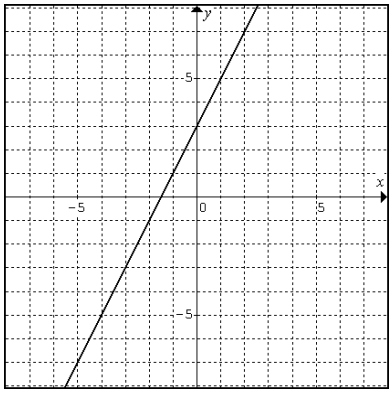
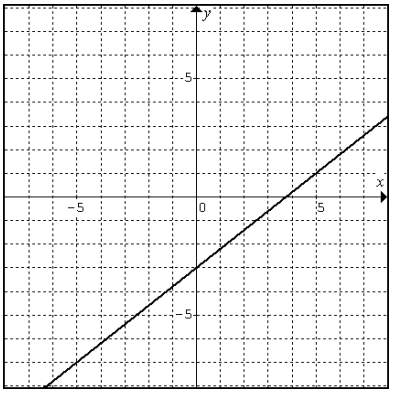
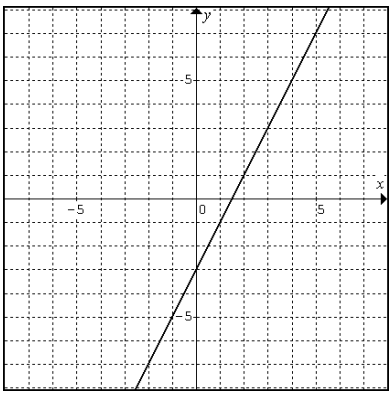

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Graph	Standard Form
	Slope-Intercept Form
	Slope
	y Intercept

Graph	Standard Form
	Slope-Intercept Form
	Slope
	y Intercept

Graph	Standard Form
	Slope-Intercept Form
	Slope
	y Intercept

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	Slope
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Equations in Standard Form

$2x-y=-3$

$2x-y=3$

$3x-y=0$

$4x-3y=9$

$x+y=1$

$x-y=-3$

$x+5y=5$

$2x-3y=-12$

$6x+4y=8$

$3x-5y=10$

$4x-5y=15$

$4x-y=2$

Equations in Standard Form

$2x-y=-3$

$2x-y=3$

$3x-y=0$

$4x-3y=9$

$x+y=1$

$x-y=-3$

$x+5y=5$

$2x-3y=-12$

$6x+4y=8$

$3x-5y=10$

$4x-5y=15$

$4x-y=2$

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Equations in Slope-Intercept Form

$y=-\frac{3}{2}x+2$

$y=\frac{4}{5}x-3$

$y=2x-3$

$y=\frac{2}{3}x+4$

$y=3x$

$y=4x-2$

$y=-x+1$

$y=-\frac{1}{5}x+1$

$y=x+3$

$y=\frac{4}{3}x-3$

$y=\frac{3}{5}x-2$

$y=2x+3$

Equations in Slope-Intercept Form

$y=-\frac{3}{2}x+2$

$y=\frac{4}{5}x-3$

$y=2x-3$

$y=\frac{2}{3}x+4$

$y=3x$

$y=4x-2$

$y=-x+1$

$y=-\frac{1}{5}x+1$

$y=x+3$

$y=\frac{4}{3}x-3$

$y=\frac{3}{5}x-2$

$y=2x+3$

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Slope

$m=\frac{4}{3}$

$m=\frac{4}{5}$

$m=1$

$m=-\frac{1}{5}$

$m=\frac{2}{3}$

$m=-\frac{3}{2}$

$m=4$

$m=2$

$m=\frac{3}{5}$

$m=2$

$m=3$

$m=-1$

Slope

$m=\frac{4}{3}$

$m=\frac{4}{5}$

$m=1$

$m=-\frac{1}{5}$

$m=\frac{2}{3}$

$m=-\frac{3}{2}$

$m=4$

$m=2$

$m=\frac{3}{5}$

$m=2$

$m=3$

$m=-1$

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y Intercept

$b=0$
$b=3$
$b=-2$
$b=1$
$b=-3$
$b=-3$
$b=3$
$b=4$
$b=-3$
$b=2$
$b=1$
$b=-2$

y Intercept

$b=0$
$b=3$
$b=-2$
$b=1$
$b=-3$
$b=-3$
$b=3$
$b=4$
$b=-3$
$b=2$
$b=1$
$b=-2$