

Geometry
Graphing Day 2

Changing linear equations to slope intercept form.

1. $y = -\frac{3}{4}x + \frac{7}{4}$

2. $y = \frac{5}{7}x - \frac{11}{7}$

3. $y = \frac{4}{9}x + \frac{2}{9}$

4. $y = \frac{7}{2}x - 4$

5. $y = -\frac{3}{8}x - \frac{17}{8}$

6. $y = -\frac{5}{3}x - \frac{13}{3}$

7. $y = -\frac{2}{3}x + \frac{1}{3}$

8. $y = -\frac{3}{10}x + \frac{4}{15}$

9. $y = -\frac{15}{2}x + \frac{21}{5}$

10. $y = \frac{8}{9}x - \frac{56}{15}$

Enrichment 3-6

RENE DESCARTES

Find the Slope and Y-intercept for Each Equation

Page that starts with 1) $-x + 2y = 6$

	Slope	Y-intercept
1	$\frac{1}{2}$	3
2	-3	-12
3	$\frac{6}{5}$	-2
4	$\frac{5}{2}$	3
5	$\frac{1}{4}$	-4
6	$\frac{2}{3}$	7
7	$\frac{2}{5}$	2
8	2	-4
9	$\frac{3}{2}$	-3
10	$-\frac{1}{4}$	8

Find the Slope and Y-intercept for Each Equation

Page that starts with 1) $y = \frac{7}{3}x + 5$

	Slope	Y-intercept
1	$\frac{7}{3}$	5
2	$\frac{2}{3}$	7
3	$\frac{1}{4}$	-2
4	$-\frac{5}{6}$	$-\frac{12}{5}$
5	$\frac{2}{5}$	2
6	$-\frac{4}{9}$	-1
7	-6	-3
8	$-\frac{2}{3}$	-2
9	-4	4
10	$\frac{5}{4}$	-4

Sketch the Graph of Each Line



