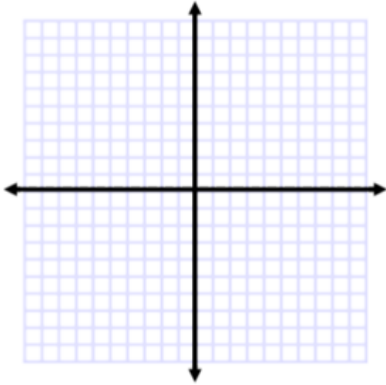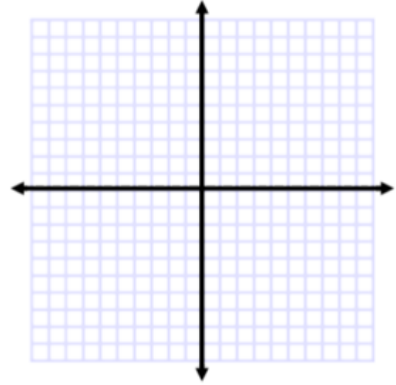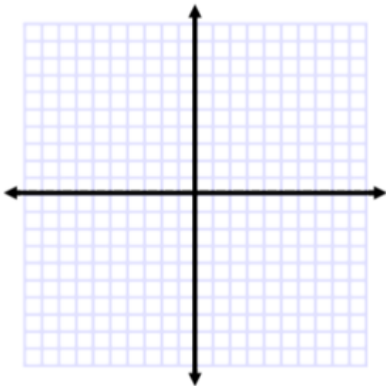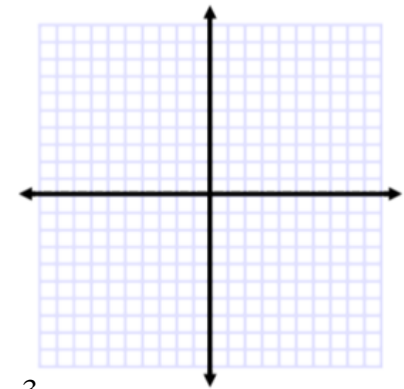MPM1D Handout 4.5

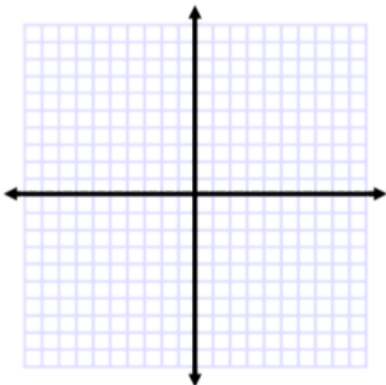Graph each of the following

1. $y = -2x$
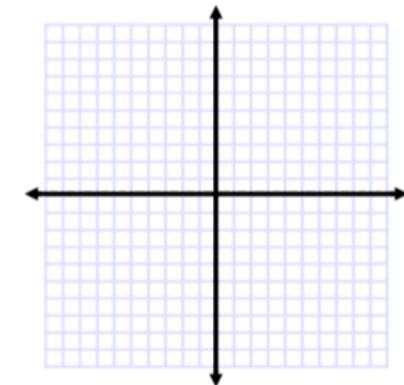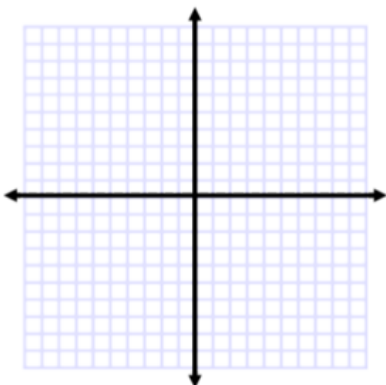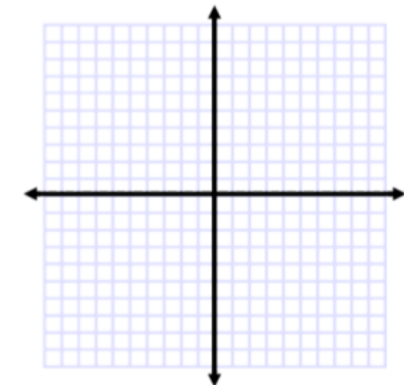
2. $y = 4 + 2x$

3. $y = -3x + 1$

4. $y = \frac{1}{2}x - 4$

5. $y = -x + 6$

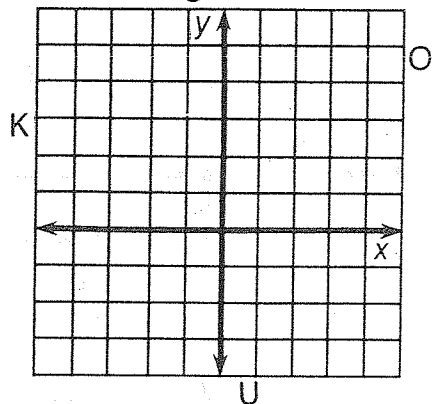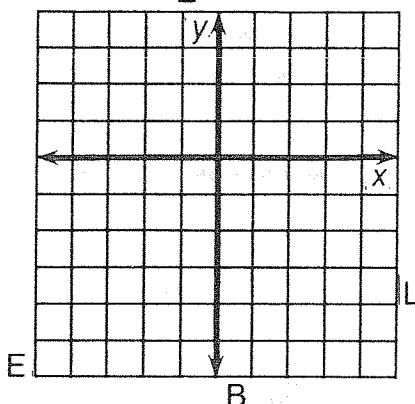6. $y = \frac{-3}{2}x - 2$

7. $y = 7 - 3x$

8. x=3

Whom Should You See at the Bank
If You Need To Borrow Money?

Use the slope and **y**-intercept to graph each equation below. The graph, if extended, will cross a letter. Print this letter in each box that contains the number of that exercise.

① $y = \frac{2}{3}x + 1$

② $y = \frac{1}{2}x - 3$

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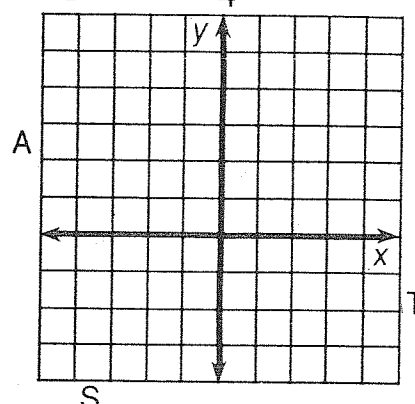
④ $y = 2x - 4$

⑤ $y = -3x - 1$

⑥ $y = -\frac{3}{2}x + 3$

⑦ $y = 4x - 2$

⑧ $y = -\frac{1}{4}x + 2$

⑨ $y = \frac{5}{3}x$

3	6	2	7	1	9	4	9	8	8	9	4	5	2	8

OBJECTIVE 5–j: To graph a line given its equation in slope-intercept form.

C–45
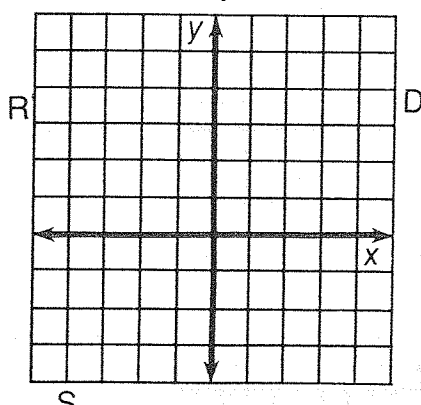
4.5 Homework Solutions

Handout #2

Whom Should You See at the Bank If You Need To Borrow Money?

Use the slope and y-intercept to graph each equation below. The graph, if extended, will cross a letter. Print this letter in each box that contains the number of that exercise.
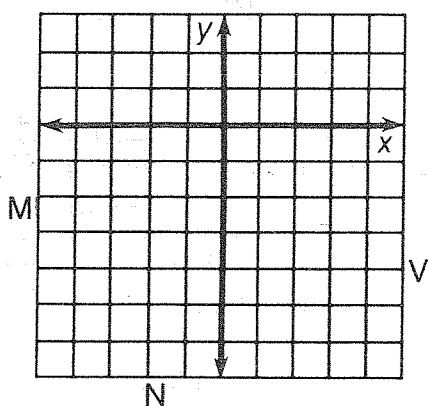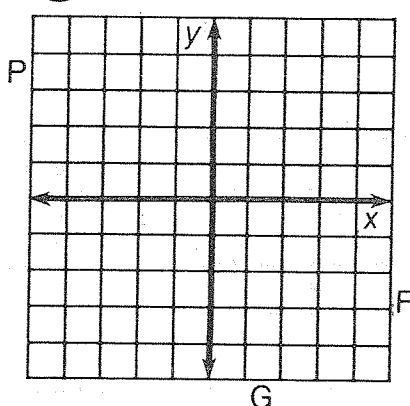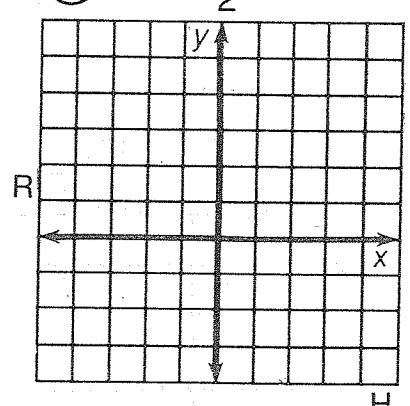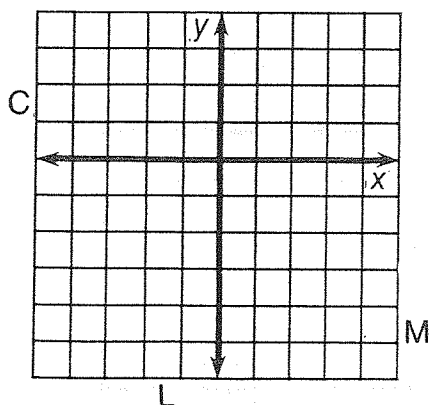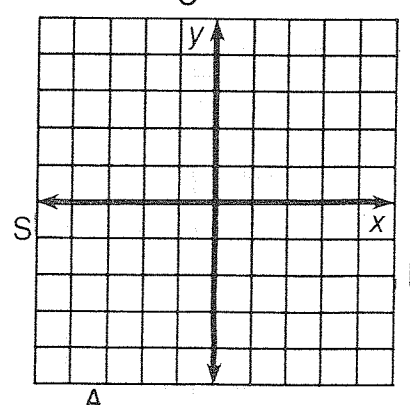
① $y = \frac{2}{3}x + 1$ O / K / U

② $y = \frac{1}{2}x - 3$ L / B / E

③ $y = -\frac{3}{4}x + 2$ T / A / S

④ $y = 2x - 4$ V / M

⑤ $y = -3x - 1$ F / G / P

⑥ $y = -\frac{3}{2}x + 3$ I / H / R

⑦ $y = 4x - 2$ M / C / L

⑧ $y = -\frac{1}{4}x + 2$ D / R / S

⑨ $y = \frac{5}{3}x$ I / S / A

3	6	2	7	1	9	4	9	8	9	5	2	8
T	H	E		L	O	A	N		A	R	R	A

(continued) R | A | N | G | E | R

155

OBJECTIVE 5-j: To graph a line given its equation in slope-intercept form.

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Handout #1

MPM1D Handout 4.5
Graph each of the following

1. $y = -2x$ $b = 0$ $m = \frac{-2}{1}$
   $y = -2x$
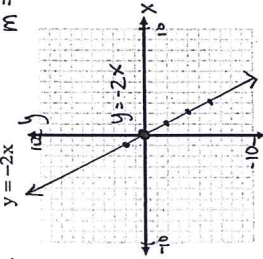
3. $y = -3x + 1$ $b = 1$ $m = \frac{-3}{1}$
   $y = -3x + 1$
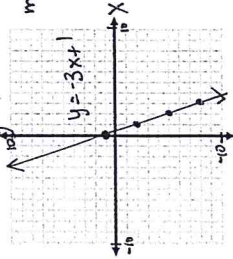
5. $y = -x + 6$ $b = 6$ $m = \frac{-1}{1}$
   $y = -x + 6$
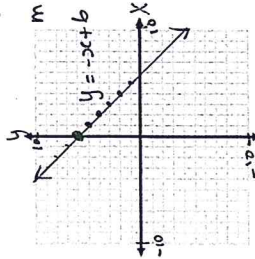
7. $y = 7 - 3x$ $b = 7$ $m = \frac{-3}{1}$

Solutions

2. $y = 4 + 2x$ $b = 4$ $m = \frac{2}{1}$
   $y = 4 + 2x$
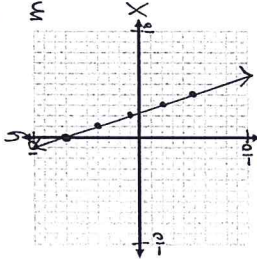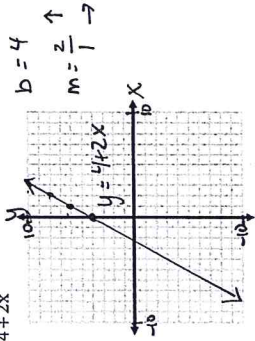
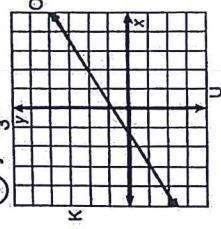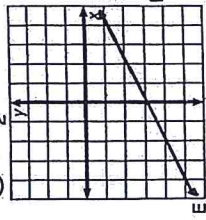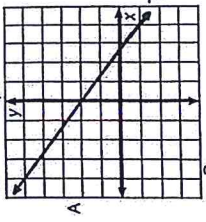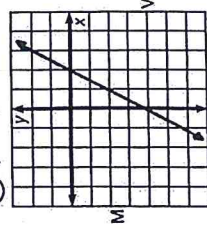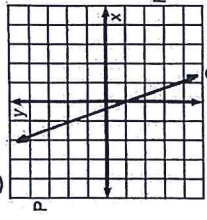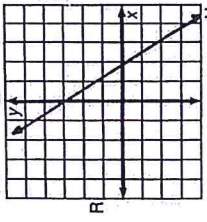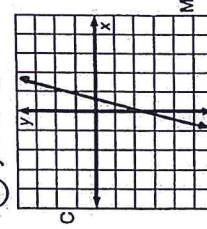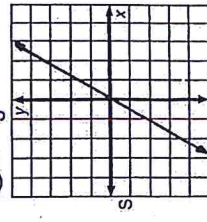4. $y = \frac{1}{2}x - 4$ $b = -4$ $m = \frac{1}{2}$
   $y = \frac{1}{2}x - 4$
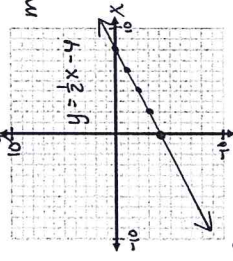
6. $y = \frac{-3}{2}x - 2$ $b = -2$ $m = \frac{-3}{2}$
   $y = \frac{-3}{2}x - 2$
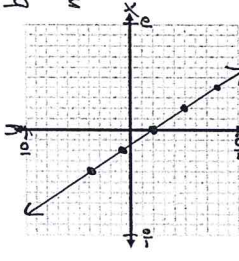
8. $x = 3$ ... set of points where $x = 3$