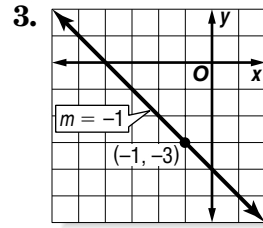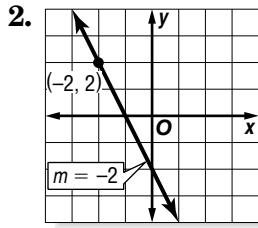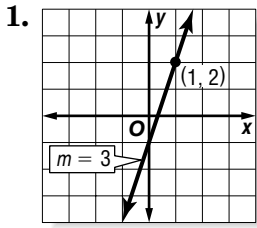## 5-4 Practice

Writing Equations in Slope-Intercept Form

Write an equation of the line that passes through each point with the given slope.
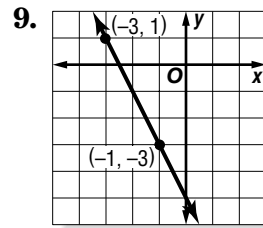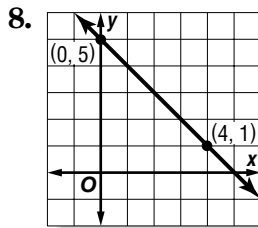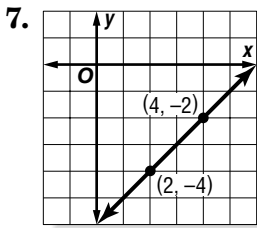
1.

$(1, 2)$

$m = 3$

2.

$(-2, 2)$

$m = -2$

3.

$m = -1$

$(-1, -3)$

4. $(-5, 4), m = -3$

5. $(4, 3), m = \dfrac{1}{2}$

6. $(1, -5), m = -\dfrac{3}{2}$

Write an equation of the line that passes through each pair of points.

7.

$(4, -2)$

$(2, -4)$

8.

$(0, 5)$

$(4, 1)$

9.

$(-3, 1)$

$(-1, -3)$

10. $(0, -4), (5, -4)$

11. $(-4, -2), (4, 0)$

12. $(-2, -3), (4, 5)$

13. $(0, 1), (5, 3)$

14. $(-3, 0), (1, -6)$

15. $(1, 0), (5, -1)$

==> Problems 1, 2, 3, 7, 8, 9 (the ones with the graphs) can be done on this sheet - you can find the slope (m) for these by counting grids on a slope triangle and you can find the y-intercept (b) by observing where the line crosses the y -axis. The origin (0,0) is clearly marked on each graph - use it to find the x and y axes.

==> For the rest of the problems, show all work on looseleaf, no work = no credit!

==> Objects in the rear view mirror may be closer than they appear!

Mr. C.