Name		Class	Date
5-4	Practice		Form K
	Point-Slope Form		

Write an equation in point-slope form of the line that passes through the given point and has the given slope.

1. (1, 3);
$$m = 5$$

2. (-2, -1); $m = -3$
3. (4, -7); $m = -\frac{1}{4}$

Graph each equation.

4	4. $y + 1 = 3(x - 2)$								
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Graph the line that passes through the given point and has the given slope m.







10. Write an equation in each of the following forms that has a slope of $-\frac{2}{3}$ **a.** point-slope form **b.** slope-intercept form

Name		Class	Date	
5 /	Practice (continued)			Form
5-4	Point-Slope Form			

Write an equation in point-slope form of each line.



Write an equation in point-slope form of the line that passes through the given points. Then write the equation in slope-intercept form.

13.(3,1),(0,2) $14.(2,3),(4,3)$	13. (5, 1), (0, 2)	14. (-2, -3), (4)	4, 3)
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15. (-3, -2), (2, 3)

16. (2, 5), (8, -7)

17. A restaurant's goal is to serve 600 customers in 8 hours and 900 customers in 12 hours. Write an equation in point-slope form that represents the number of customers served per hour. What is the graph of the equation?