Algebraic Reasoning Name:	Algebraic Reasoning Name:
Per:	Per:
POINTS:	POINTS:
Homework #6 Quiz	Homework #6 Quiz
Be sure to include your work when appropriate.	Be sure to include your work when appropriate.
Write an equation in slope-intercept form for the line that satisfies each set of conditions.	Write an equation in slope-intercept form for the line that satisfies each set of conditions.
1. slope 2, passes through (-3, 0)	1. slope 2, passes through (-3, 0)

2. passes through (7,1) and (7,8)

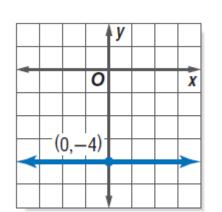
2. passes through (7,1) and (7, 8)

- 3. passes through (4, 6), parallel to  $y = \frac{2}{3}x + 5$
- 3. passes through (4, 6), parallel to  $y = \frac{2}{3}x + 5$

- 4. passes through (2, -5), perpendicular to y =  $\frac{1}{4}$ x + 7
- 4. passes through (2, -5), perpendicular to y =  $\frac{1}{4}$ x + 7

Write an equation in slope-intercept form for the graph.

5.



Write an equation in slope-intercept form for the graph.

5.

