

# Algebraic Reasoning

Name: \_\_\_\_\_

Per: \_\_\_\_\_

POINTS: \_\_\_\_\_

## Homework #6 Quiz

**Be sure to include your work when appropriate.**

**Write an equation in slope-intercept form for the line that satisfies each set of conditions.**

1. slope 2, passes through (-3, 0)

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

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

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

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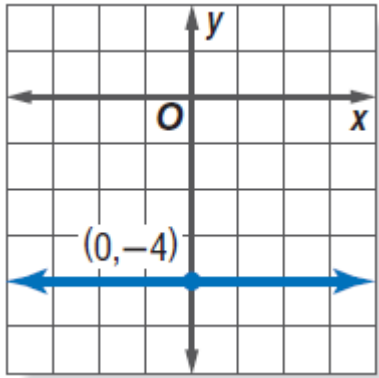
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Write an equation in slope-intercept form for the graph.

5.



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