

Name: _____ Show work needed to justify your answer. Date: _____

HW # 28: Algebra 1 - Standard 16 - Writing Equations in Standard & Point Slope Form

5 points

Write an equation in point-slope form for the line that passes through the given points.

5. $(1, -3), (4, -15)$

7. $(3, 3), (6, 7)$

Write each equation in slope-intercept form.

8. $y - 1 = \frac{4}{5}(x + 5)$

11. $y + 2 = \frac{1}{6}(x - 4)$

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13. **CANOEING** Geoff paddles his canoe at an average speed of 3.5 miles per hour. After 5 hours of canoeing, Geoff has traveled 18 miles. Write an equation in point-slope form to find the total distance y Geoff travels after x hours.