

**T1-16b** Number \_\_\_\_\_ Name \_\_\_\_\_ Period \_\_\_\_\_

**Write the equation, in point-slope form AND slope-intercept form, of each line.**

1) What is the equation of a line with a slope of 3 that goes through the point (2, 8)?

Point-Slope: \_\_\_\_\_ Slope-Intercept: \_\_\_\_\_

2) What is the equation of a line through the point (1, 3) that has a slope of -2?

Point-Slope: \_\_\_\_\_ Slope-Intercept: \_\_\_\_\_

3) What is the equation of a line through the point (-2, 3) that has a slope of 4?

Point-Slope: \_\_\_\_\_ Slope-Intercept: \_\_\_\_\_

4) What is an equation for the line that passes through the coordinates (4, 5) and (8, 3)?

Point-Slope: \_\_\_\_\_ Slope-Intercept: \_\_\_\_\_

5) What is an equation for the line that passes through the coordinates (-1, 2) and (7, 6)?

Point-Slope: \_\_\_\_\_ Slope-Intercept: \_\_\_\_\_

6) Find the equation of the line that passes through the points (1, 1) and (3, 5)?

Point-Slope: \_\_\_\_\_ Slope-Intercept: \_\_\_\_\_

Write the equation, in point-slope AND slope-intercept form, of each table and graph.

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X	Y
2	7
5	13
9	21
11	25
15	33

8)

X	Y
3	0
8	$3\frac{1}{3}$
9	4
12	6
22	$12\frac{2}{3}$

Point-Slope

\_\_\_\_\_

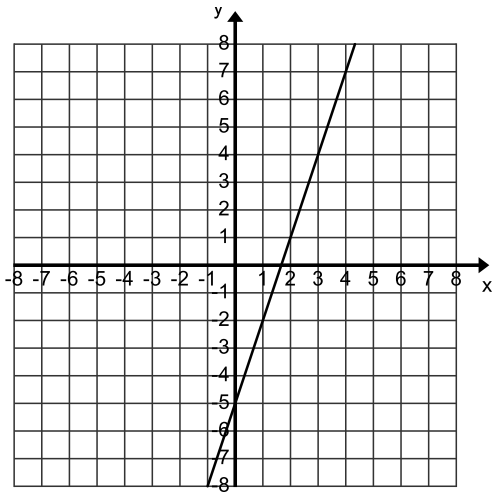
Slope-Intercept

\_\_\_\_\_

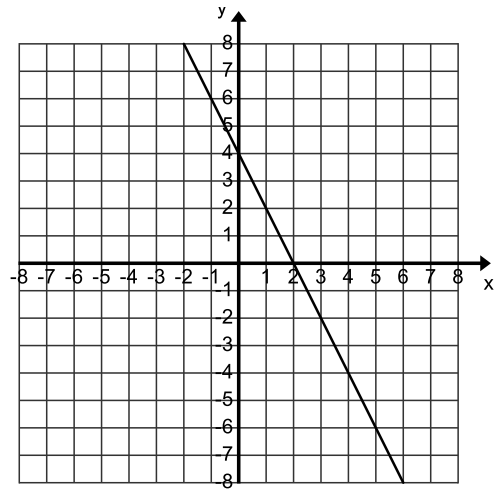
Point-Slope \_\_\_\_\_

Slope-Intercept \_\_\_\_\_

9)



10)



Point-Slope \_\_\_\_\_

Point-Slope \_\_\_\_\_

Slope-Intercept \_\_\_\_\_

Slope-Intercept \_\_\_\_\_