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WRITE A LINEAR EQUATION FROM THE SLOPE AND A POINT



Try it yourself! In each problem, you've been given the slope of a line and a point on that line. Use the slope and point to write the equation of the line in slope-intercept form.

Slope: 2 Point: (3, 10)	2. Slope: -3 Point: (-2, 12)

WRITE A LINEAR EQUATION FROM THE SLOPE AND A POINT

Keep going! In each problem, you've been given the slope of a line and a point on that line. Use the slope and point to write the equation of the line in slope-intercept form.

3. Slope: 5 Point: (6, 23)	4. Slope: 4 Point: (3, 16)	
Equation: <u>y = 5x - 7</u>	Equation: $y = 4x + 4$	
5. Slope: $\frac{1}{2}$ Point: (4, 1)	6. Slope: $\frac{1}{6}$ Point: (18, 17)	
Equation: $y = \frac{1}{2}x - 1$	Equation: $y = \frac{1}{6}x + 14$	
Slope: 9		
7. Point: (2, –15)	8. Slope: $-\frac{1}{3}$ Point: (9, 7)	
	$y = -\frac{2}{3}y + 13$	
Equation: $y = -9x + 3$	Equation: $y = -\frac{3}{3} \times 13$	
9. Slope: $\frac{2}{5}$	10. Slope: $-\frac{1}{3}$	
Point: (5, 10)	Point: (-6, -7)	
Equation: $y = \frac{2}{5}x + 8$	Equation: $y = -\frac{1}{3}x - 9$	