### Lesson 10 Practice Problems

1. For each graph, calculate the slope of the line.
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1. Match each pair of points to the slope of the line that joins them.
	1. $\left(9,10\right)$ and $\left(7,2\right)$
	2. $\left(-8,-11\right)$ and $\left(-1,-5\right)$
	3. $\left(5,-6\right)$ and $\left(2,3\right)$
	4. $\left(6,3\right)$ and $\left(5,-1\right)$
	5. $\left(4,7\right)$ and $\left(6,2\right)$
	6. 4
	7. $-3$
	8. $-\frac{5}{2}$
	9. $\frac{6}{7}$
2. Draw a line with the given slope through the given point. What other point lies on that line?
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	1. Point A, slope = $-3$
	2. Point A, slope = $\frac{-1}{4}$
	3. Point C, slope = $\frac{-1}{2}$
	4. Point E, slope = $\frac{-2}{3}$
1. Make a sketch of a linear relationship with a slope of 4 and a negative $y$-intercept. Show how you know the slope is 4 and write an equation for the line.
* (From Unit 3, Lesson 8.)



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