### Lesson 15 Practice Problems

1. Solve: $\left\{\begin{matrix}y=6x\\4x+y=7\end{matrix}\right.$
2. Solve: $\left\{\begin{matrix}y=3x\\x=-2y+70\end{matrix}\right.$
3. Which equation, together with $y=-1.5x+3$, makes a system with one solution?
	1. $y=-1.5x+6$
	2. $y=-1.5x$
	3. $2y=-3x+6$
	4. $2y+3x=6$
	5. $y=-2x+3$
4. The system $x−6y=4$, $3x−18y=4$ has no solution.
	1. Change one constant or coefficient to make a new system with one solution.
	2. Change one constant or coefficient to make a new system with an infinite number of solutions.
5. Match each graph to its equation.
* 
	1. $y=2x+3$
	2. $y=-2x+3$
	3. $y=2x−3$
	4. $y=-2x−3$
* (From Unit 5, Lesson 9.)
1. Here are two points: $\left(-3,4\right)$, $\left(1,7\right)$. What is the slope of the line between them?
	1. $\frac{4}{3}$
	2. $\frac{3}{4}$
	3. $\frac{1}{6}$
	4. $\frac{2}{3}$
* (From Unit 5, Lesson 9.)



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