### Lesson 14 Practice Problems

1. Solve each of these equations. Explain or show your reasoning.
* $2b+8−5b+3=-13+8b−5$
* $2x+7−5x+8=3\left(5+6x\right)−12x$
* $2c−3=2\left(6−c\right)+7c$
1. Solve each equation and check your solution.
* $-3w−4=w+3$
* $3\left(3−3x\right)=2\left(x+3\right)−30$
* $\frac{1}{3}\left(z+4\right)−6=\frac{2}{3}\left(5−z\right)$
1. Elena said the equation $9x+15=3x+15$ has no solutions because $9x$ is greater than $3x$. Do you agree with Elena? Explain your reasoning.
2. Which of the changes would keep the hanger in balance?
* Select all that apply.
* 
* 1. Adding two circles on the left and a square on the right
	2. Adding 2 triangles to each side
	3. Adding two circles on the right and a square on the left
	4. Adding a circle on the left and a square on the right
	5. Adding a triangle on the left and a square on the right
* (From Unit 4, Lesson 12.)



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