## Unit 7 Lesson 6 Cumulative Practice Problems

1. A rectangle has side lengths of 6 units and 3 units. Could you make a quadrilateral that is not identical using the same four side lengths? If so, describe it.
2. Come up with an example of three side lengths that can not possibly make a triangle, and explain how you know.
3. Find $x$, $y$, and $z$.
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* (From Unit 7, Lesson 3.)
1. How many right angles need to be put together to make:
	1. 360 degrees?
	2. 180 degrees?
	3. 270 degrees?
	4. A straight angle?
* (From Unit 7, Lesson 1.)
1. Solve each equation.
* $\frac{1}{7}(x+\frac{3}{4})=\frac{1}{8}$
* $\frac{9}{2}=\frac{3}{4}(z+\frac{2}{3})$
* $1.5=0.6(w+0.4)$
* $0.08(7.97+v)=0.832$
* (From Unit 6, Lesson 8.)
	1. You can buy 4 bottles of water from a vending machine for $7. At this rate, how many bottles of water can you buy for $28? If you get stuck, consider creating a table.
	2. It costs $20 to buy 5 sandwiches from a vending machine. At this rate, what is the cost for 8 sandwiches? If you get stuck, consider creating a table.
* (From Unit 4, Lesson 3.)



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