## Unit 1 Lesson 12 Cumulative Practice Problems

1. Segments $AB$, $EF$, and $CD$ intersect at point $C$, and angle $ACD$ is a right angle. Find the value of $g$.
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1. $M$ is a point on line segment $KL$. $NM$ is a line segment. Select **all** the equations that represent the relationship between the measures of the angles in the figure.
* 
	1. $a=b$
	2. $a+b=90$
	3. $b=90−a$
	4. $a+b=180$
	5. $180−a=b$
	6. $180=b−a$
1. Use the diagram to find the measure of each angle.
	1. $m∠ABC$
	2. $m∠EBD$
	3. $m∠ABE$
* 
* (From Unit 1, Lesson 8.)
1. Lines $k$ and $ℓ$ are parallel, and the measure of angle $ABC$ is 19 degrees.
* 
	1. Explain why the measure of angle $ECF$ is 19 degrees. If you get stuck, consider translating line $ℓ$ by moving $B$ to $C$.
	2. What is the measure of angle $BCD$? Explain.
1. The diagram shows three lines with some marked angle measures.
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* Find the missing angle measures marked with question marks.
1. Lines $s$ and $t$ are parallel. Find the value of $x$.
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