### Lesson 2 Practice Problems

1. This diagram was created by starting with points $A$ and $B$ and using only straightedge and compass to construct the rest. All steps of the construction are visible. Describe precisely the straightedge and compass moves required to construct the line $CD$ in this diagram.
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1. In the construction, $A$ is the center of one circle, and $B$ is the center of the other. Identify **all** segments that have the same length as segment $AB$.
* 
	1. segment $AC$
	2. segment $AE$
	3. segment $BC$
	4. segment $CD$
	5. segment $DE$
1. This diagram was constructed with straightedge and compass tools. $A$ is the center of one circle, and $C$ is the center of the other. Select **all** line segments that *must* have the same length as segment $AB$.
* 
	1. $AB$
	2. $AC$
	3. $BC$
	4. $BD$
	5. $CD$
* (From Unit 1, Lesson 1.)
1. Clare used a compass to make a circle with radius the same length as segment $AB$. She labeled the center $C$. Which statement must be true?
* 
	1. $AB=CD$
	2. $AB=CE$
	3. $AB=CF$
	4. $AB=EF$
* (From Unit 1, Lesson 1.)



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