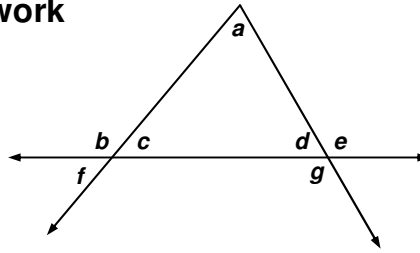


Finding Angle Measures: Classwork

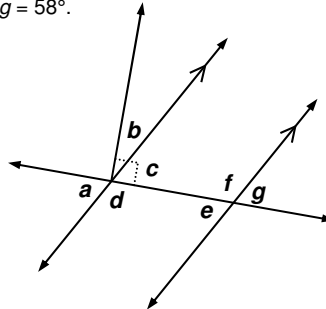
Show how you determined each angle measure.

- Find the missing angle measures if $m\angle c = 53^\circ$ and $m\angle e = 124^\circ$.



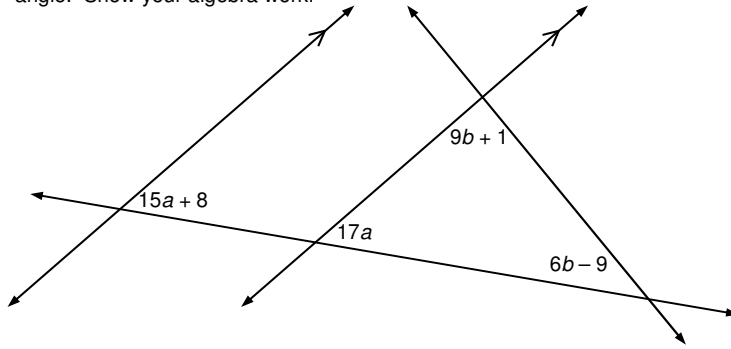
Statements	Reasons
1. $m\angle b =$	
2. $m\angle f =$	
3. $m\angle d =$	
4. $m\angle g =$	
5. $m\angle a =$	

- Find the missing angle measures if $m\angle g = 58^\circ$.

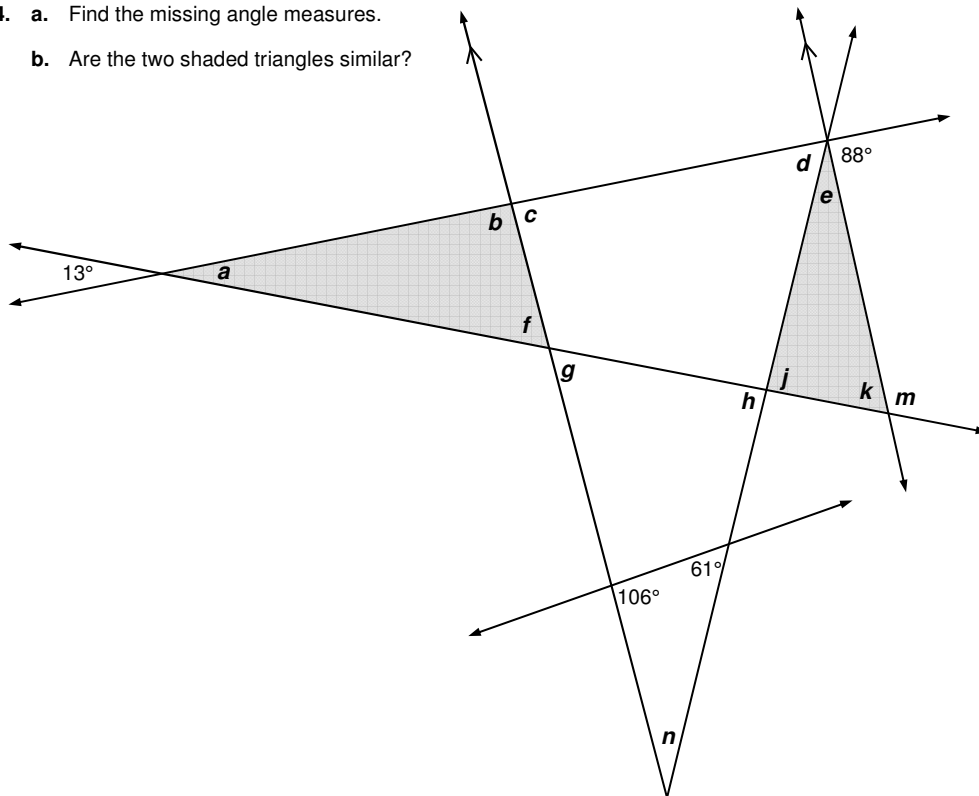


Statements	Reasons
1. $m\angle e =$	
2. $m\angle f =$	
3. $m\angle d =$	
4. $m\angle c =$	
5. $m\angle b =$	
6. $m\angle a =$	

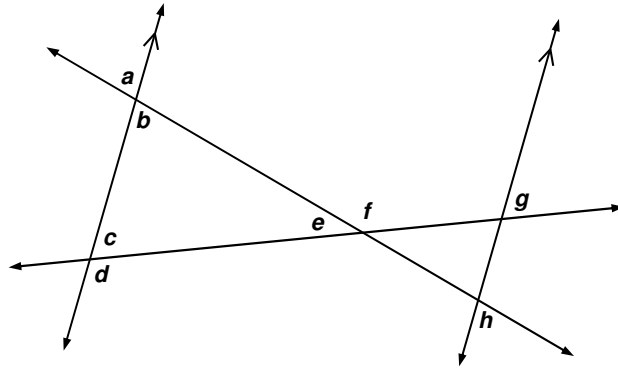
3. Write and solve an equation to find the value of each variable, then calculate the measure of each angle. Show your algebra work!



4. a. Find the missing angle measures.
 b. Are the two shaded triangles similar?

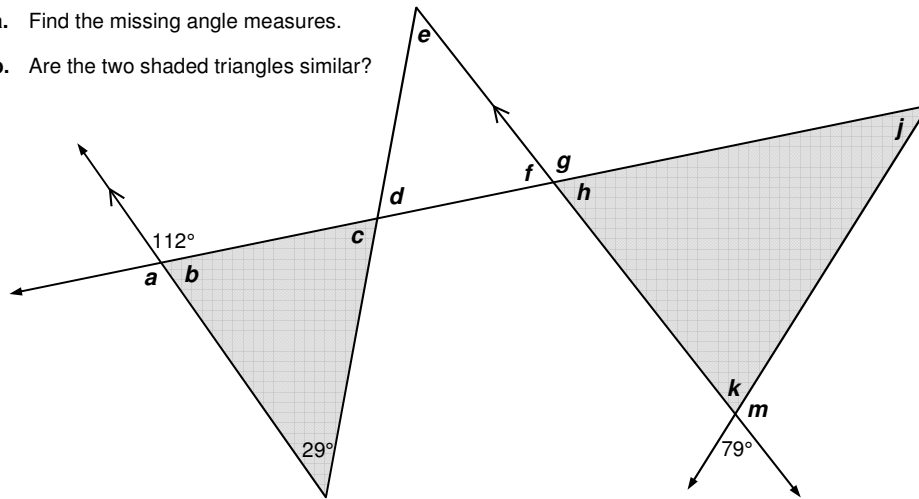


5. Find the missing angle measures if $m\angle g = 76^\circ$ and $m\angle h = 84^\circ$.



Statements	Reasons
1. $m\angle c =$	
2. $m\angle d =$	
3. $m\angle a =$	
4. $m\angle b =$	
5. $m\angle e =$	
6. $m\angle f =$	

6. a. Find the missing angle measures.
 b. Are the two shaded triangles similar?



7. Find the missing angle measures if $m\angle b = 81^\circ$ and $m\angle e = 101^\circ$.

