



## ANSWERS

1. Premise 1: Ellen is sick.  
Premise 2: If Ellen is sick, she can't go to school today.  
Conclusion: Ellen will not be able to go to school today.
  
2. Dolphins are mammals.  
Premise II: Mammals have hearts.  
Bottom line: Every dolphin has a heart.
  
3. Premise I: All birds have feathers.  
Premise II: Cardinals are birds.  
Conclusion: Cardinals have feathers.
  
4. Premise I: Reptiles are cold-blooded animals.  
Premise II: Lizards are reptiles.  
Conclusion: Lizards are cold-blooded.
  
5. Premise I: John is a boy.  
Premise II: All boys have a Y chromosome.  
Conclusion: John has a Y chromosome.
  
6. Premise I: Acute angles are less than  $90^\circ$ .  
Premise II: The angles of an equilateral triangle are  $60^\circ$ .  
Conclusion: The angles of the equilateral triangle are acute.