Bold indicates candidate keys

1. No because there is no occurance of C 🡪 D in G, but there is one in F.
2. Every dependency has a single attribute for its right-hand side   
   A 🡪 B  
   A 🡪 C  
   A 🡪 D  
   E 🡪 G  
   E 🡪 H{C 🡪 D  
   AE 🡪 J   
     
   Determine there are an redundant attributes on the left-hand side  
   None

Look for redundant FD  
A 🡪 B  
A 🡪 C  
E 🡪 G  
E 🡪 H  
C 🡪 D  
AE 🡪 J  
Minimal Cover: {A 🡪 BC, E 🡪 GH, C 🡪 D, AE 🡪 J}

1. 1 (a):