Exponents and Classification Review

1. Describe each number set and give examples:
2. Evaluate without a calculator:  
   a) b)   
     
     
     
   c) d)
3. Rewrite as a radical:  
     
   a) b) c)
4. Rewrite as a power:  
     
   a) b) c)
5. Order the following numbers without evaluating them (make sure to justify your answer as usual):  
    , , ,
6. Simplify and give your answers with positive exponents:  
     
   a)   
     
     
     
     
     
   b)   
     
     
     
     
     
     
   c)   
     
     
     
     
     
   d)   
     
     
     
     
     
   e)   
     
     
     
     
     
   f)