1. i. x = -1, x = -2  
   ii. x = -1 - 1.41421*i*, x = -1 + 1.41421*i*  
   iii. x = 0.5  
   iv. x = -0.5
2. a)  
   #define FLT\_MAX 3.402823466e+38F /\* max value \*/  
   #define FLT\_MIN 1.175494351e-38F /\* min positive value \*/  
   #define FLT\_EPSILON 1.192092896e-07F /\* smallest such that 1.0+FLT\_EPSILON != 1.0 \*/  
     
   b)  
   DBL\_MAX  
   DBL\_MIN  
   DBL\_EPSILON  
     
   c)  
   a != 1.0  
   b == 1.0  
   c != 1.0