1. i.   x = -1,   x = -2

   ii. x = -1 - 1.41421i,   x = -1 + 1.41421i

   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