

11

1. , , 780 .
 , 365,25 , .

2. x_1, x_2, \dots, x_n — , n 3.
 $x_i \neq x_j$,

$$0 < \frac{x_i - x_j}{1 + x_i x_j} < \lg \frac{\pi}{2(n-1)}.$$

3. $x^3 + ax^2 + bx + c = 0$.

4. ?

5. , 6
 . ,
 , ?