

10

1. , m n -
 n . ,
 , , : « m ,
 - ».
 m n
 ?

2. a, b, c ,
 . , $a' = \frac{a}{1+a}, b' = \frac{b}{1+b}$
 $c' = \frac{c}{1+c}$.

3. :

$$\begin{cases} x + \frac{1}{2y} = \sqrt{2} - 2\sqrt{x} |y - z| \\ y + \frac{1}{2z} = \sqrt{2} - \sqrt{y}(x - z)^2 \\ z + \frac{1}{2x} = \sqrt{2} - \sqrt{z}\sqrt{|x - y|} \end{cases}$$

4. ABC CC₁. O -
 . OC₁
 C AB ,
 AOB. C.

5. n 1, 2, ..., 14
 , k ≤ n
 , k
 , k?