

4 .

10 .

1. :

$(x-y)^3 + (y-z)^3 + (z-x)^3 = 30.$ (6)

2. , 100 . , . (6)

3. $f(x) \cdot g(y) = x + y - 1$? (6) $f(x) \quad g()$,

4. $\frac{1}{x} + \frac{1}{x+2} - \frac{1}{x+4} - \frac{1}{x+6} - \frac{1}{x+8} - \frac{1}{x+10} + \frac{1}{x+12} + \frac{1}{x+14} = 0.$ (6)

5. $ABCD$ < 180 $E -$
 , $F_1, F_2 -$ $\Delta ABE, \Delta CDE, F -$
 $ABCD.$, $\sqrt{F_1} + \sqrt{F_2} \leq \sqrt{F}.$
? (6)