10

1. , 2014, 20142014, 201420142014, ...
, .

2. $\sqrt[2013]{2013!}$ $\sqrt[2014]{2014!}$.

3.
$$y = x^2 + a\ + b \qquad y = x^2 + c\ + d.$$
$$,\qquad a^2 - c^2 > b - d.$$

4.
$$\frac{x^2}{\sqrt{x-3y+2}} + \frac{y^2}{\sqrt{-x+2y+1}} \geq y^2 + 2x^2 - 2x - 1.$$

5. ABC $(\angle C - \quad)$
BC D , $\angle CAD=30^0$. D AB
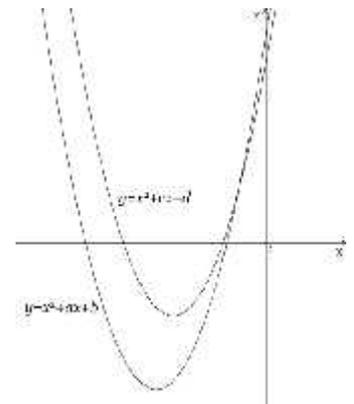$DE.$ CE $AD,$, $AC=3\sqrt{3}$
, $DB= 4$.