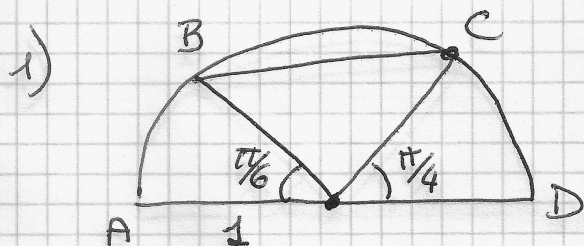


Cognome\_Nome

Matr



Trovare BC

2) calcolare

a)  $(\sqrt{3}-i)^{15} =$

b)  $\left(\frac{1+i}{1-i}\right)^2 - \left(\frac{1-i}{1+i}\right)^2 =$

3)  $\frac{1}{2^{2x-1}} - 2^{x^2-2} \geq 0$

4)  $\sqrt{2x} - \sqrt{x+1} \geq \sqrt{x-3}$

5)  $\log_{1/2} \frac{x^2-1}{x^2+1} + \log_{1/2} \frac{x^2+1}{x} < 1$

6)  $x^2 - 3 + e^{-2x} \geq 0$