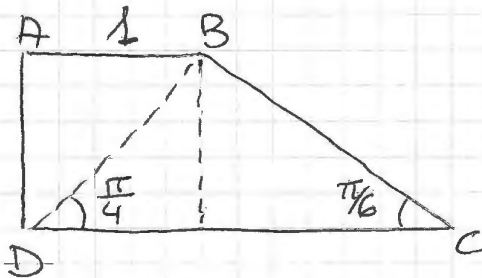


Cognome Nome _____ Matr _____

1)



Sapendo che

$$AB = 1$$

$$\angle BDC = \pi/4$$

$$\angle DCB = \pi/6$$

Calcolare perimetro e area

$$2) \log_{8^{1/2}} \frac{2^{2x} - 3}{2} > 1 - x$$

$$3) x + 1 \leq \sqrt{x^2 - 3x}$$

$$4) \frac{\sin(2x) - \frac{\sqrt{3}}{2}}{\cos x + \frac{\sqrt{2}}{2}} < 0$$

5) dato ~~data~~ $z = i - 1$ calcolare in
forma algebrica

$$w_1 = (i+1) \cdot |z| - i$$

$$w_2 = z^2$$

$$w_3 = 1/z$$

6) Calcolare e disegnare (in \mathbb{C})

$$\log(-1) \text{ e } \sqrt[4]{-1}$$