Name :

Series B

1. Give the distance from $P(7;-2)$ to the line $-4x+3y+8=0$

2. Give the center and the radius of the circle with equation $x^2+y^2-5x+8y+2.25=0$

3. Find the equation of the line tangent to $x^2+(y+2)^2=5$ at the point $T(2;-3)$.

4. Find the intersection point(s) of $x^2+(y+2)^2=5$ with the line $2x-y+1=0$.

5. Give a direction vector of the internal bissector through A in the triangle OAB, with $A(-12;5), B(-15;9)$.