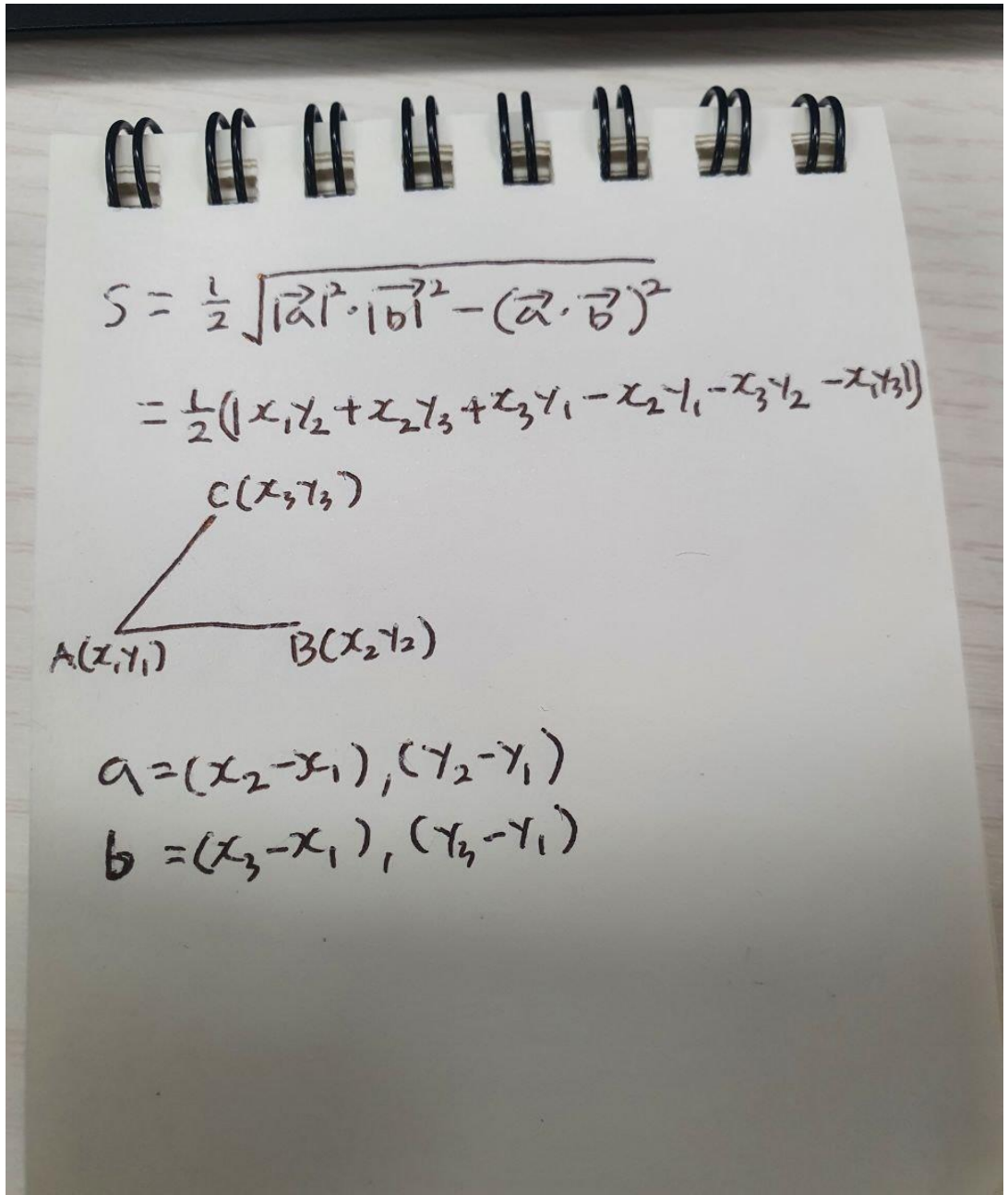
내적

외적

1/2 (a X b)


$S = \frac{1}{2}\sqrt{|\vec{a}|^2 \cdot |\vec{b}|^2 - (\vec{a} \cdot \vec{b})^2}$
$= \frac{1}{2}(|x_1y_2 + x_2y_3 + x_3y_1 - x_2y_1 - x_3y_2 - x_1y_3|)$
C(x3,y3)
A(x1,y1)
B(x2,y2)
a=(x2-x1),(y2-y1)
b=(x3-x1),(y3-y1)