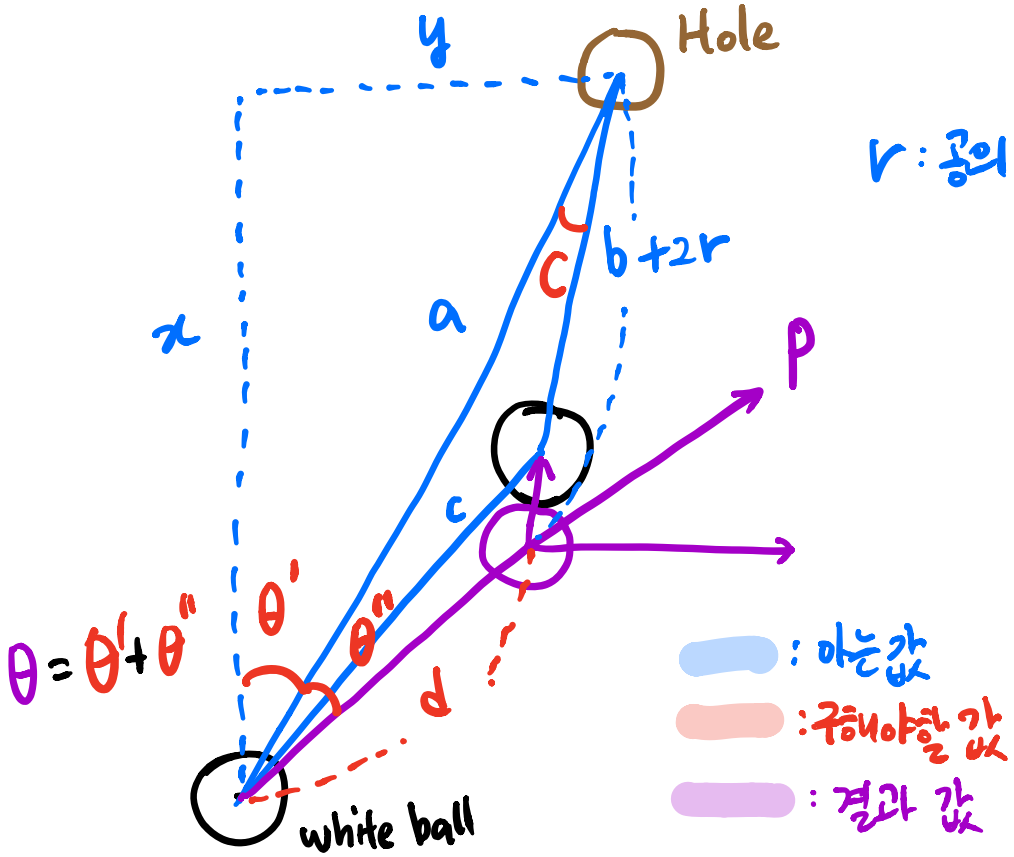

제2코사인

① $c^2 = a^2 + b^2 - 2 \cdot ab \cdot \cos C$

피타고라스

② $d = \sqrt{(a \cdot \sin C)^2 + ((b+2r) - a \cdot \cos C)^2}$

제2코사인

③ $(b+2r)^2 = a^2 + d^2 - 2 \cdot ad \cdot \cos \theta''$

④ $\tan \theta' = \frac{y}{x}$ ⑤ $\theta = \theta' + \theta''$