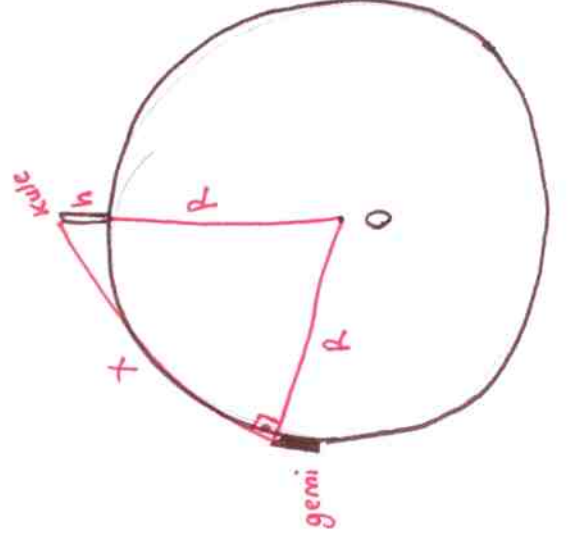
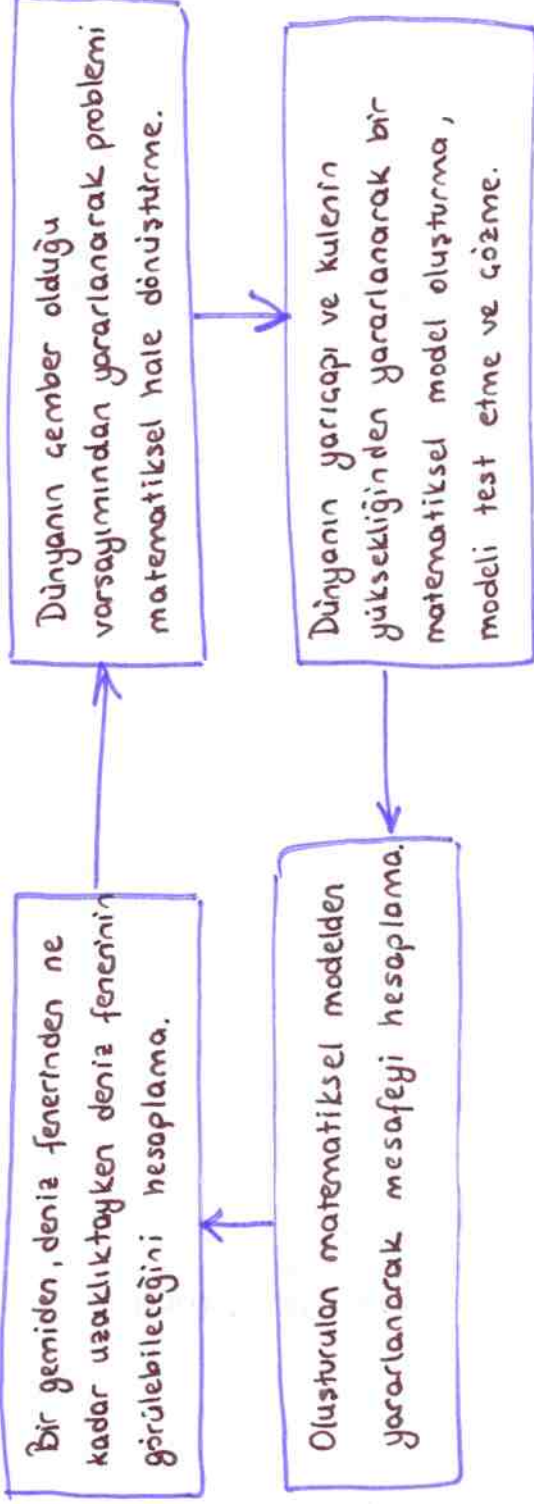


DENİZ FENERİ PROBLEMİ



$$x^2 + R^2 = R^2 + 2Rh + h^2$$

$$x^2 = 2Rh + h^2$$

$$f: \mathbb{R}^+ \rightarrow \mathbb{R}^+, \quad f(x) = \sqrt{2Rx + x^2}$$

x: kulenin yüksekliği

$x_{\min} = 2m$ (kapıdan insan geçebilmesi için)

$R = 6.378.137$ m (ekvatorial çap)

$R = 6.356.752$ m (kutupsal çap)