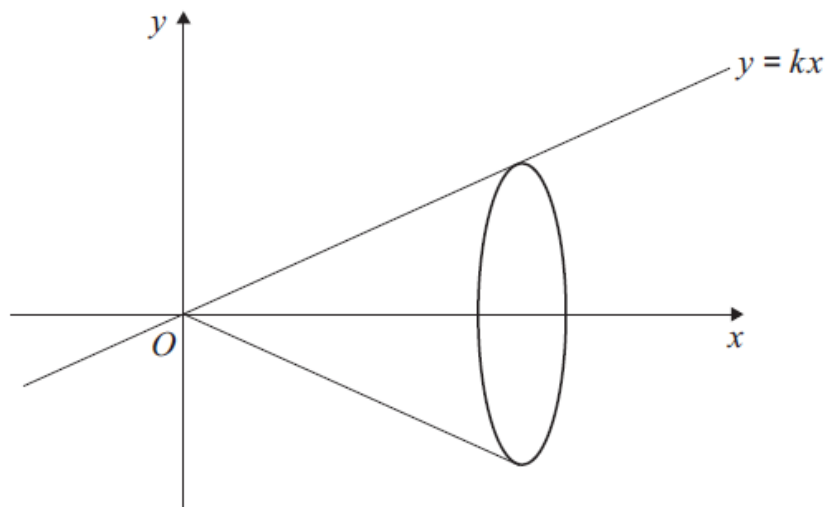


2. June/2020/Paper_1/No.15

A segment of the line $y = kx$ is rotated about the x -axis to generate a cone with vertex O .

The distance of O from the centre of the base of the cone is h .

The radius of the base of the cone is r .



- (a) Find k in terms of r and h .

[1 mark]
