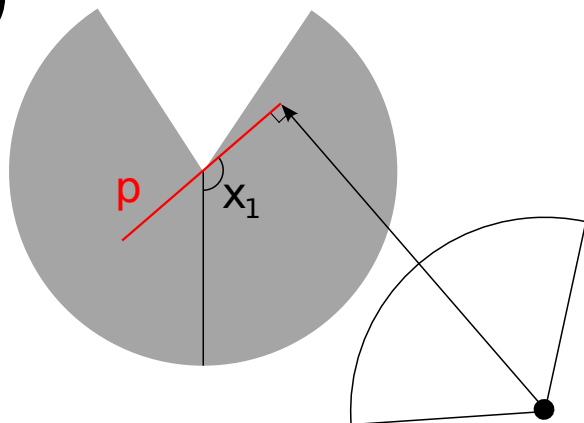
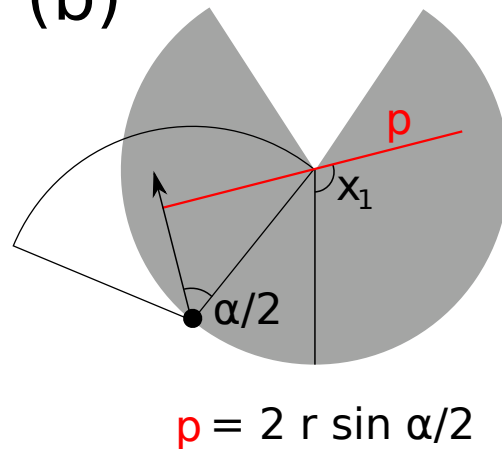


(a)

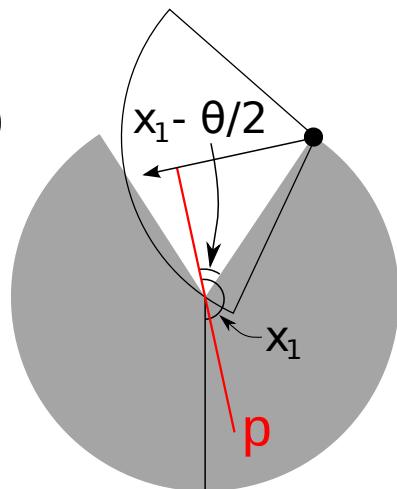


(b)



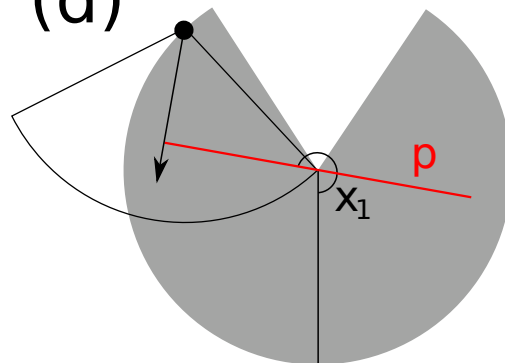
$$p = 2 r \sin \alpha/2$$

(c)



$$p = r \sin \alpha/2 + r \cos (x_1 - \theta/2)$$

(d)



$$p = 2 r \sin \alpha/2$$