

$$OB=1$$

$$A(ADB) = a(ABC) - a(CDB)$$

$$= a(ABC) - b(ODB) - a(ODC)$$

$$a(ABC) = \frac{1}{2}AB \cdot BC = \frac{1}{2} \cdot \sin \theta$$

$$a(ODC) = \frac{1}{2} \cdot OD \cdot OC \cdot \sin \theta = \frac{1}{2} \cdot (1 - \sin \theta) \cdot \sin \theta$$

$$\frac{1-\sin \ell}{1-\cos \ell} = \frac{\sin \theta}{\cos \theta}$$

$$\cos \theta - \sin \ell \cos \theta = \sin \theta - \cos \ell \sin \theta$$

$$\cos \theta - \sin \ell \cos \theta = \sin \theta - \cos \theta$$

$$\cos \theta \sin \theta - \sin \ell \cos \theta = \sin \theta - \cos \theta$$

$$D(x,y)$$

$$\frac{1}{4} = ton \Theta$$

$$(10-1)^{2} + (y-1)^{2} = 1$$

$$\frac{1}{4} = 2x + 1 + x^{2} + ton \Theta^{2} + 2x + ton \Theta + 1 = 1$$

$$\frac{1}{4} = (1 + (ton \Theta)^{2})x^{2} - 2x(1 + ton \Theta) + 1 = 0$$