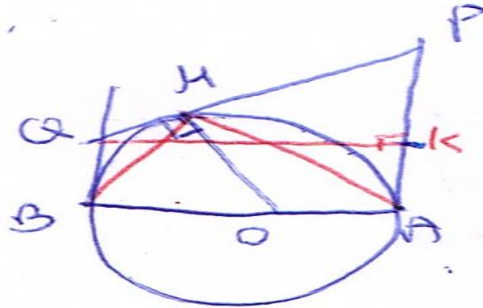


1.46 ①



(s.s)  $\triangle APM \sim \triangle MOB$ ,  $\triangle MQB \sim \triangle AOM$

$$\frac{AP}{MO} = \frac{PM}{BO} = \frac{AM}{MB} \quad \frac{MQ}{MO} = \frac{QB}{AO} = \frac{MB}{AM}$$

$$AP \cdot BQ = MO \cdot AO = R^2 = 1 \quad \leftarrow \quad \frac{AP}{MO} = \frac{AO}{BQ}$$

$\frac{1}{\sqrt{3}} \parallel \Delta BOM$        $\frac{1}{\sqrt{3}} \parallel \Delta MAP$        $\square$

$30^\circ, 60^\circ, 90^\circ$   $\Delta BMA$

$$PA = AM = \sqrt{BA^2 - BM^2} = \sqrt{3}$$

$QB = AK = x$       (NO)

$\Delta PQR$ :  $QP^2 = QK^2 + PK^2$

$$(\sqrt{3}+x)^2 = 2^2 + (\sqrt{3}-x)^2 \rightarrow x = \frac{1}{\sqrt{3}}$$

$$S_{ABQP} = \frac{2(\sqrt{3} + \frac{1}{\sqrt{3}})}{2} = \frac{4}{\sqrt{3}} = \frac{4\sqrt{3}}{3}$$