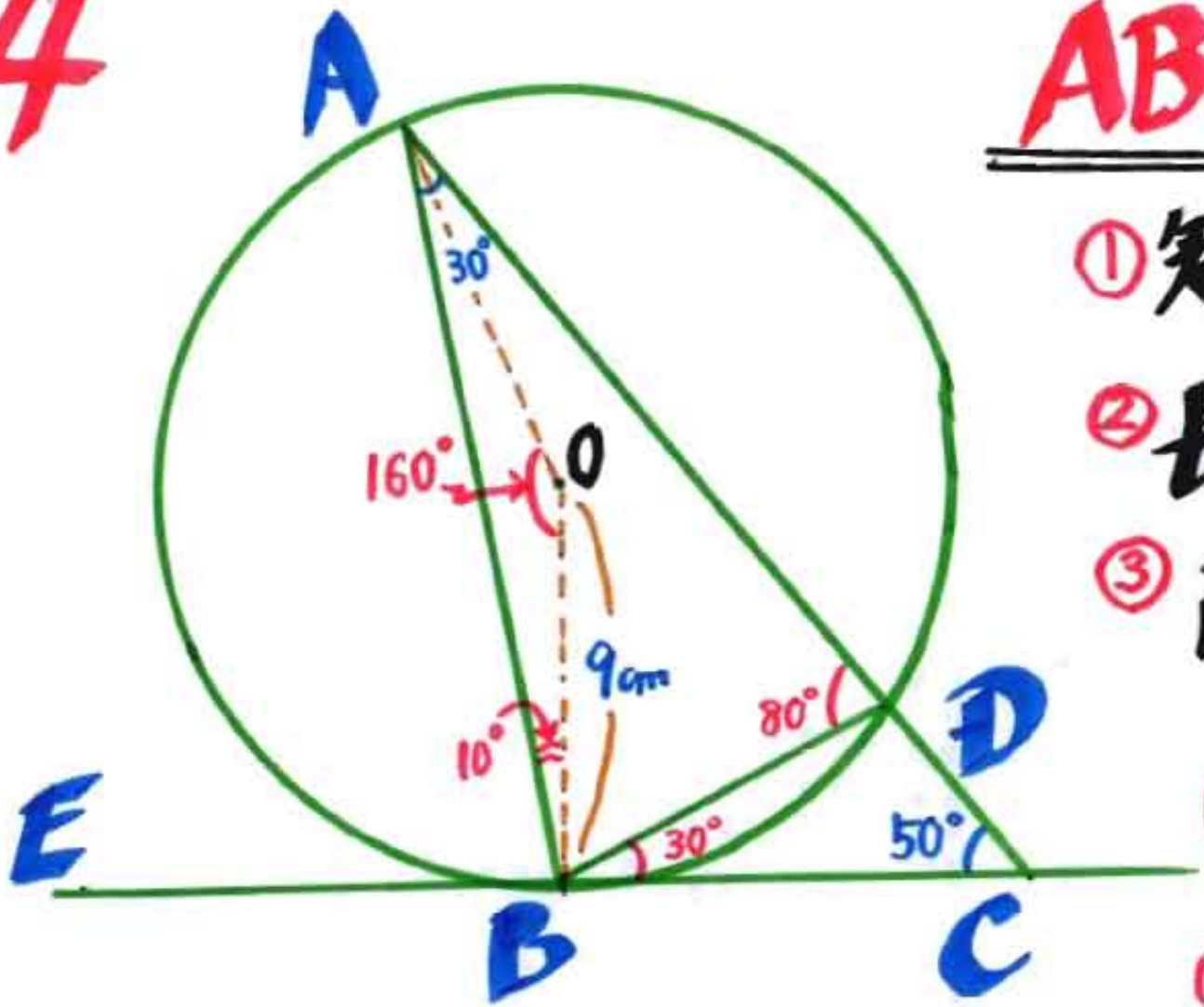
B6 4



ABの長さ

① 短い円弧

② 長い、Dを含む円弧

③ 直線

①は $2\times9\times\frac{160}{360}\pi=8\pi$

②は $2\times9\times\frac{200\pi}{360}=10\pi$

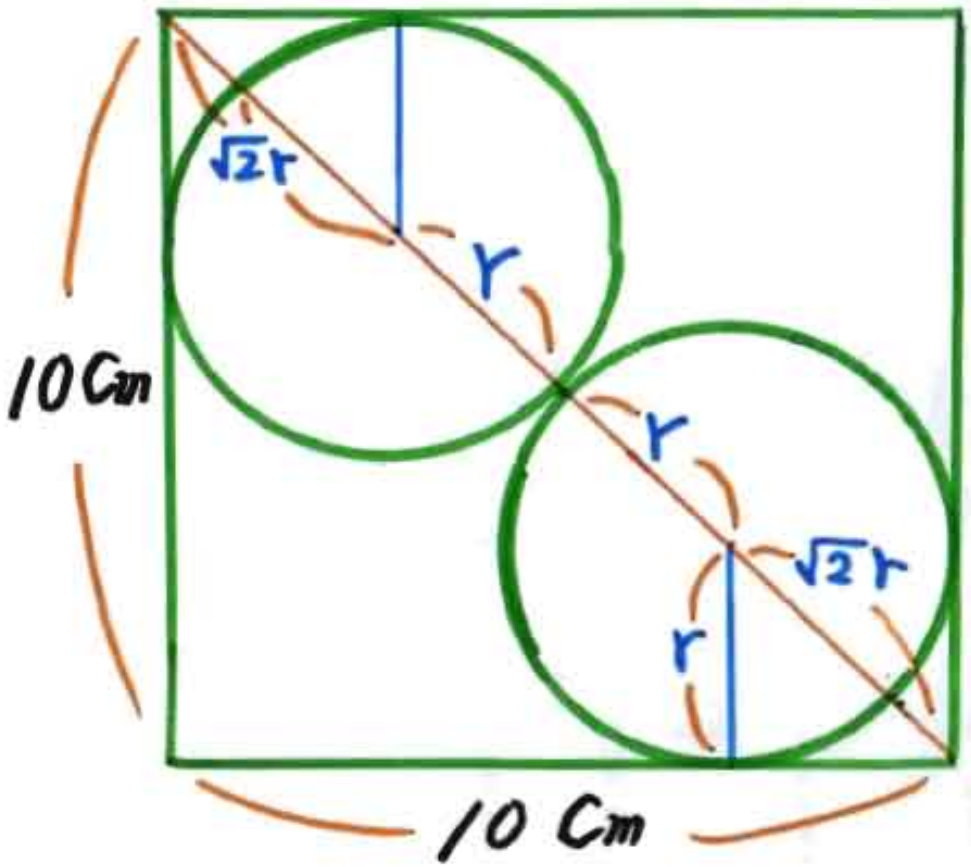
③は $2\times9\cos10^\circ=2\times8.86$

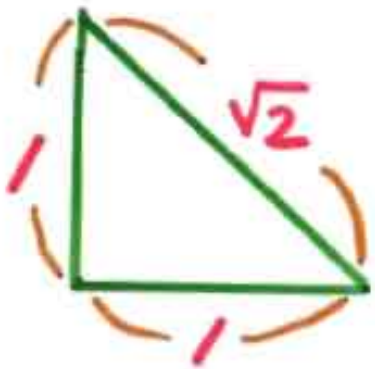
$=17.73\Rightarrow5.6\pi$

正解は

3, 5 ヌは 1

B6 5 39%





$$2r+2\sqrt{2}r=10\sqrt{2}$$

$$r=\frac{10\sqrt{2}}{2+2\sqrt{2}}=\frac{5\sqrt{2}}{1+\sqrt{2}}$$

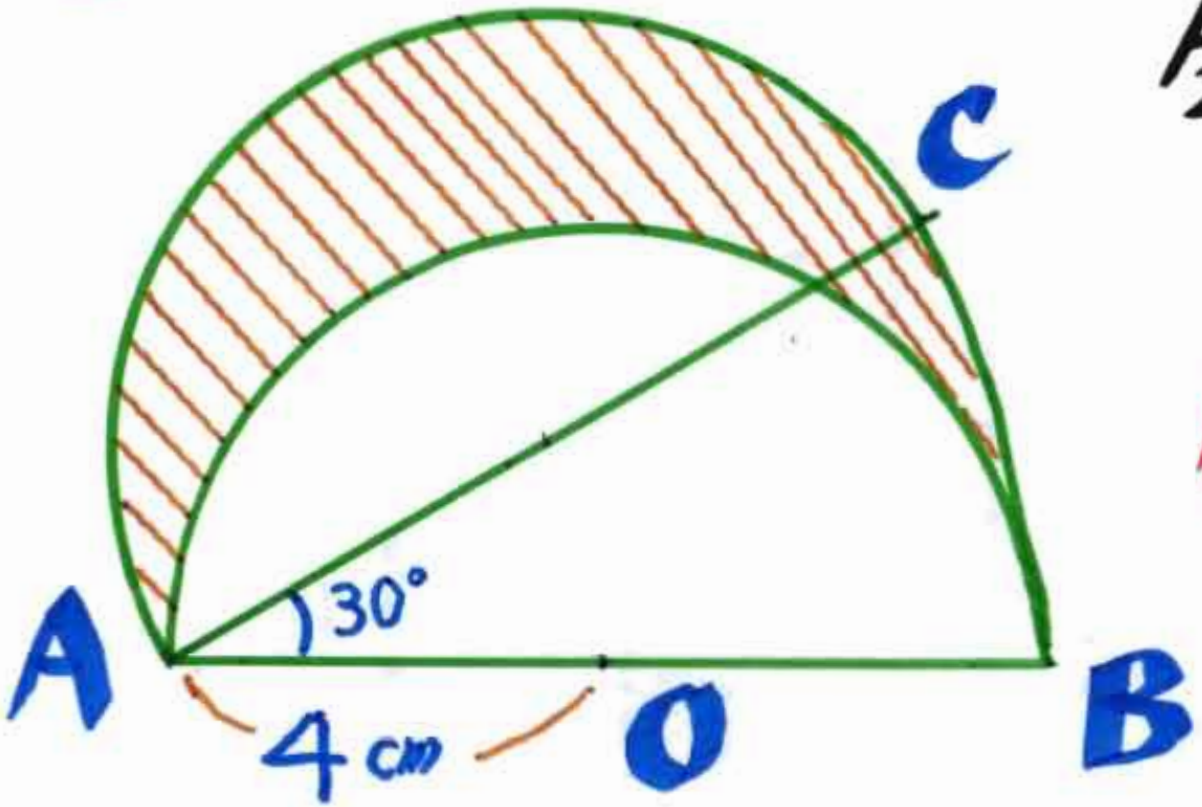
$$=\frac{5\sqrt{2}(\sqrt{2}-1)}{(\sqrt{2}+1)(\sqrt{2}-1)}$$

$$=5(2-\sqrt{2})$$

$\sqrt{2}=1.41$

$$=5\times 0.59=2.95$$

B6 6



全体：$\overset{\frown}{AC}$半円
＋$\overset{\frown}{AB}$30°円

斜線部＝
全体－$\overset{\frown}{AB}$半円
＝$\overset{\frown}{AB}$30°円

$$8\times 8\times \pi\times \frac{30}{360}=\frac{16}{3}\pi \text{ cm}^2$$