

円周角の定理の基本

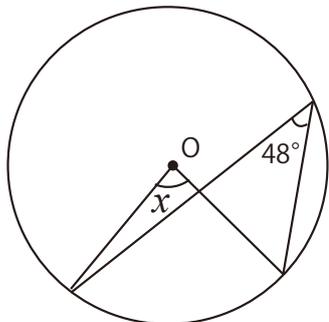
NO 2

名前

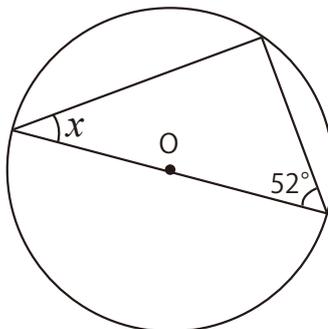
/6 点

1 下の図で $\angle x$ の大きさを求めなさい。

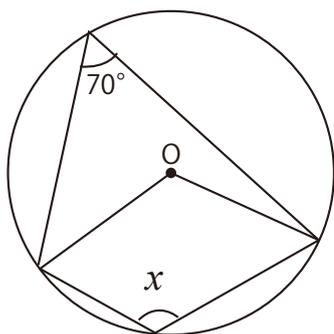
①



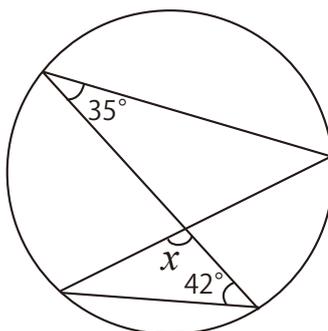
②



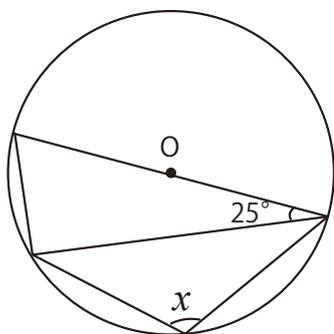
③



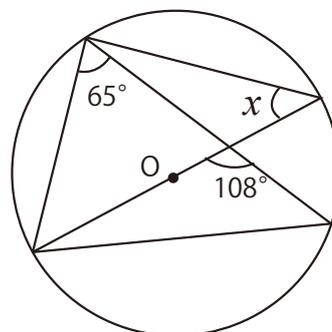
④



⑤



⑥



解答

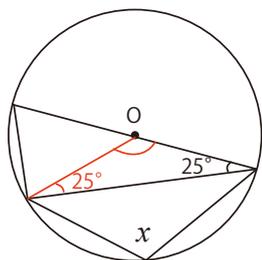
① $48 \times 2 = 96^\circ$

② $180 - (90 + 52)$
 $= 38^\circ$

③ $70 \times 2 = 140^\circ$
 $360 - 140 = 220$
 $220 \div 2 = \underline{110^\circ}$

④ $180 - (35 + 42)$
 $= 103^\circ$

⑤



$180 - 25 \times 2$
 $= 180 - 50$
 $= 130^\circ$
 $360 - 130 = 230$
 $230 \div 2 = \underline{115^\circ}$

⑥ $90 - 65 = 25^\circ$

$180 - (25 + 108)$
 $= \underline{47^\circ}$

