

9-24-19 2nd Geo

a: you have a dog

b: you have a cat

c: you can't spell

Translate

① $a \vee b \rightarrow c$

If you have a dog or you have a cat, then you can't spell.

② $\sim b \wedge a \rightarrow \sim c$

If you don't have a cat and you have a dog, then you can spell.

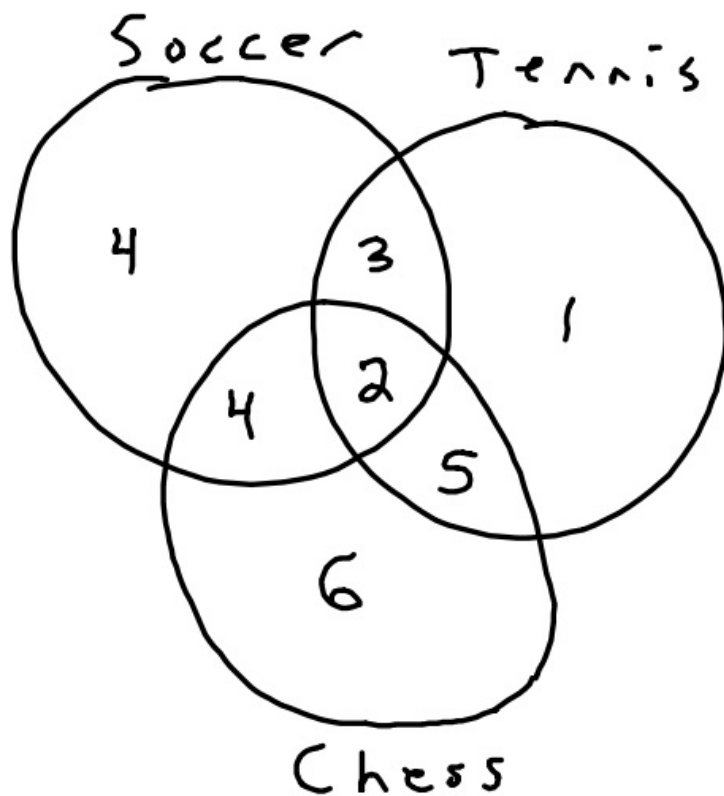
③ \therefore therefore

\vee or

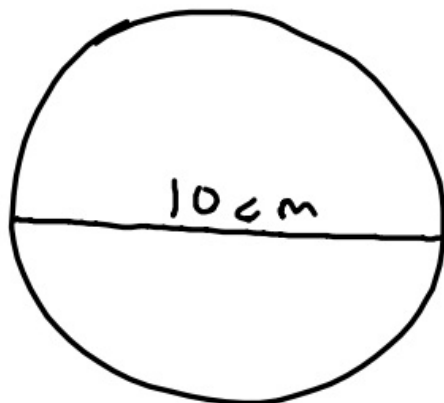
\wedge and

\longleftrightarrow if and only if

④ Oral questions



⑤



Area = ?

$$\pi \cdot r^2$$

$$\pi \cdot 5^2 \approx 78.5 \text{ cm}^2$$

Circumference = ?

$$2\pi r \quad \text{OR} \quad \pi \cdot d$$

$$2 \cdot \pi \cdot 5$$

$$\pi \cdot 10$$

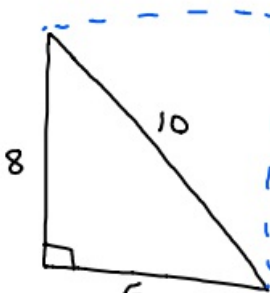
$$31.4 \text{ cm}$$

$$31.4 \text{ cm}$$

⑥ List name of polygon with the given number of sides

- 3 triangle
- 4 quadrilateral
- 5 pentagon
- 6 hexagon
- 7 heptagon/septagon
- 8 octagon
- 9 nonagon
- 10 decagon

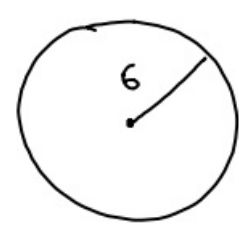
⑦



Area = $\frac{1}{2} \cdot b \cdot h$
 $\frac{1}{2} \cdot 6 \cdot 8$
 24 cm^2

Perimeter =
 $6 + 8 + 10 = 24 \text{ cm}$

⑧



Area = $\pi \cdot r^2$
 $\pi \cdot 6^2$
 $= 113.1 \text{ cm}^2$

Circumference =
 $\pi \cdot d$ OR $2\pi r$
 $\pi \cdot 12$
 $\approx 37.7 \text{ cm}$