9-30-19 2nd Geo

"If you are not nice, you are going to bed."

① Contrapositive: If you are not going to bed, then you are nice.

② Converse: If you are going to bed, then you are not nice.

③ Inverse: If you are nice, then you are not going to bed.

④ "If (p: you are near Tom), then (q: you can't talk)" is represented by $p \to q$. What represents "If you can talk, you are not near Tom"?

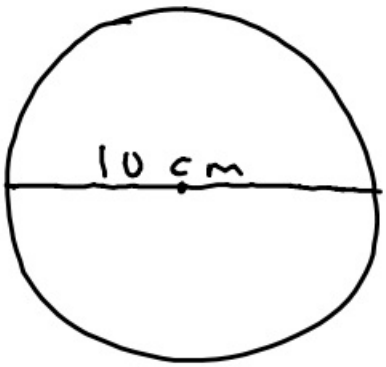
$\sim q \to \sim p$

⑤ Therefore $\therefore$

Or $\vee$

And $\wedge$

6



Area $= \pi r^2$

$\pi \cdot 5^2$

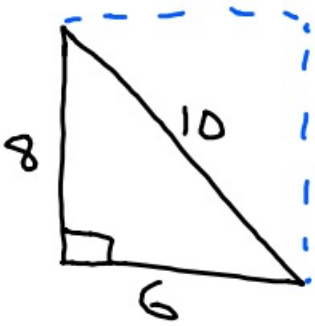
$\approx 78.5 \text{ cm}^2$

Circumference $= \pi \cdot d$ or $2\pi r$

$\pi \cdot 10$

$\approx 31.4 \text{ cm}$

7



Area $= \frac{1}{2} bh$

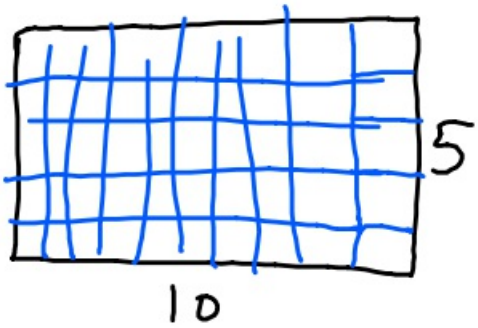
$\frac{1}{2} \cdot 6 \cdot 8$

24 cm^2

Perimeter $= 6+8+10$

$= 24 \text{ cm}$

8



Area $= 5 \cdot 10$

50 cm^2

Perimeter $=$

$10+5+10+5$

30 cm

p: $\angle A$ is acute

q: $\angle A$ is right

n: $\angle A$ is obtuse

a: $\angle B$ is acute

b: $\angle B$ is obtuse

(9) $\angle B$ is obtuse Therefore, $\angle A$ is acute and $\angle B$ is not acute.

b $\therefore$ $p \wedge \sim a$