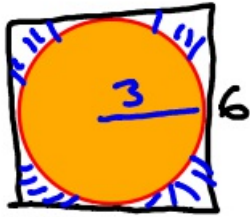


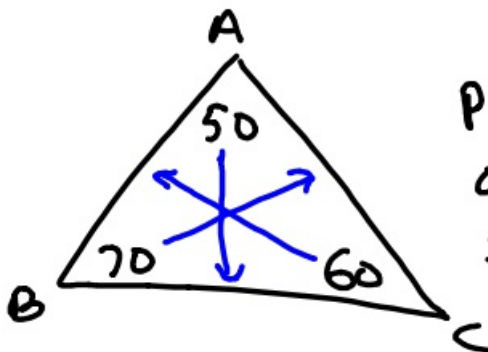
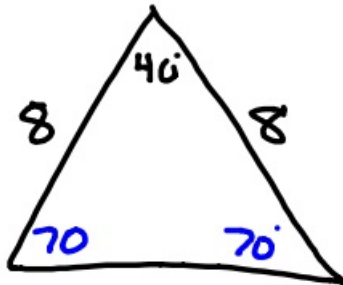
10-29-18 5th Geo

RQ 10

(2)

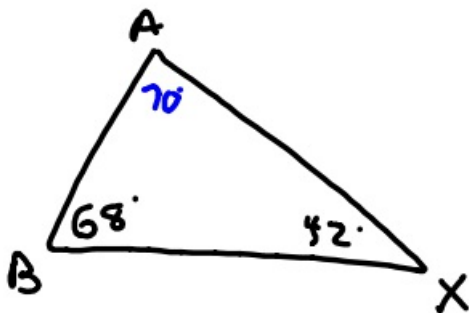


Whole-hole
 $36 - \pi \cdot 3^2$
 $36 - 9\pi$
 7.7 in^2



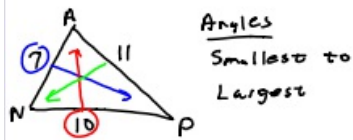
Put sides in
order from
smallest to
largest

$$\overline{BC} < \overline{AB} < \overline{AC}$$

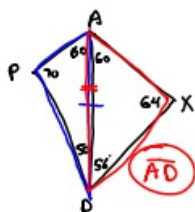
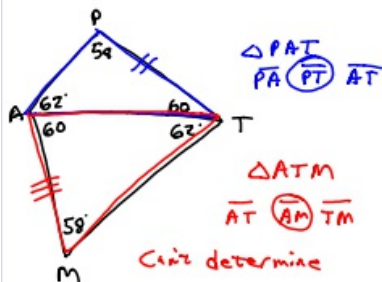
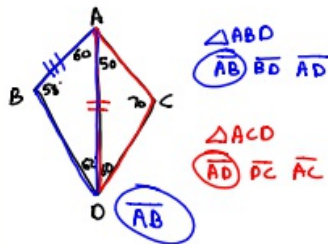
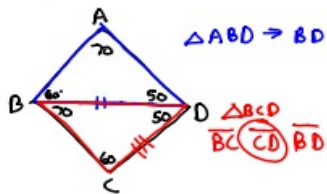


Smallest to
largest

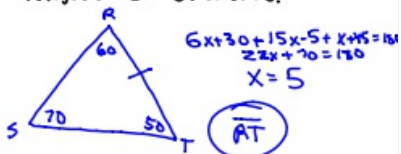
$$\overline{AB}, \overline{AX}, \overline{BX}$$

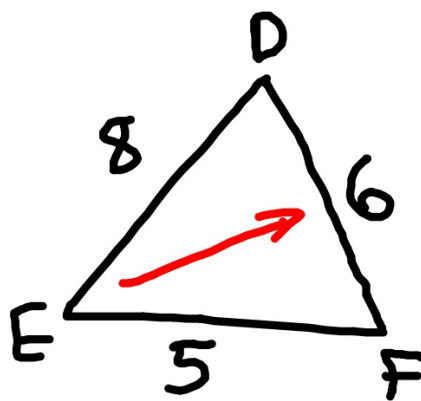
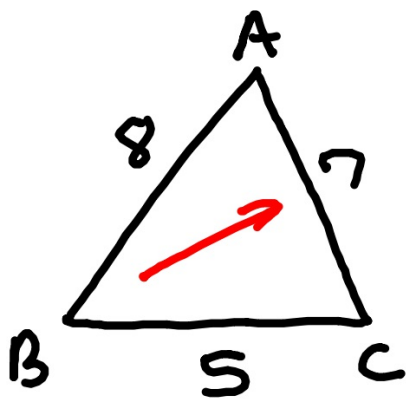


$\angle P, \angle A, \angle N$



In $\triangle RST$, $\angle R = 6x + 30$,
 $\angle S = 15x - 5$, and $\angle T = x + 45$.
Put sides in order from
longest to shortest.



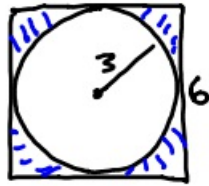


$$\angle B > \angle E$$

10-29-18 6th Geo

R010

②



Whole - hole

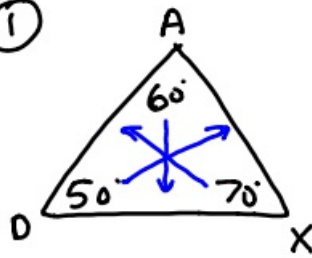
$$36 - \pi r^2$$

$$36 - \pi \cdot 3^2$$

$$36 - 9\pi$$

$$\approx 7.7$$

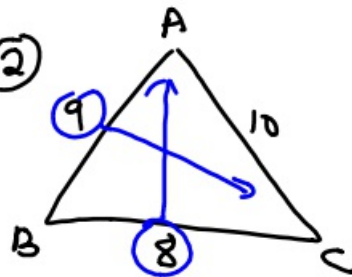
①



Put sides in
order from
smallest to
largest

$$\overline{AX} < \overline{DX} < \overline{AD}$$

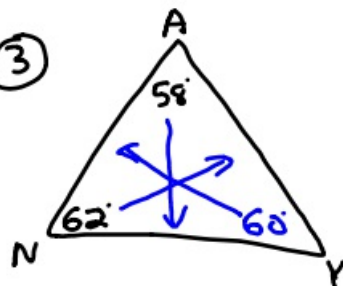
②



Put angles in
order from
smallest to
largest.

$$\angle A, \angle C, \angle B$$

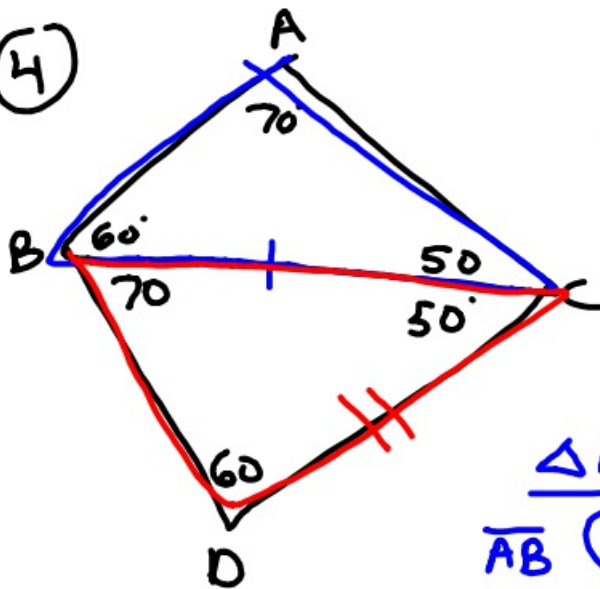
③



Side length
smallest
to
largest

$$\overline{NY}, \overline{AN}, \overline{AY}$$

(4)



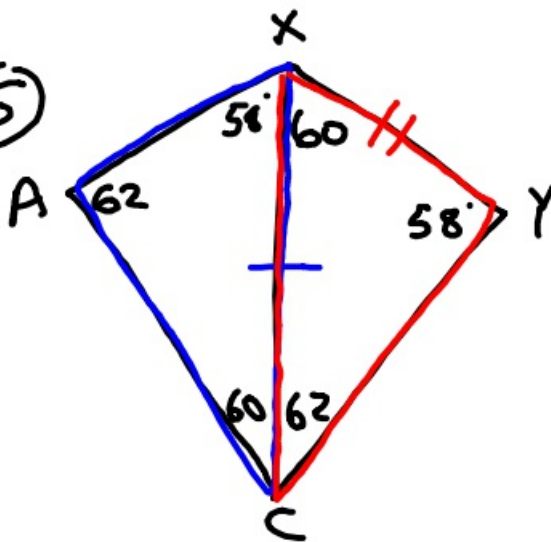
Which side
must be
the
largest?

\overline{CD}

$\triangle ABC$
 \overline{AB} \overline{BC} \overline{AC}

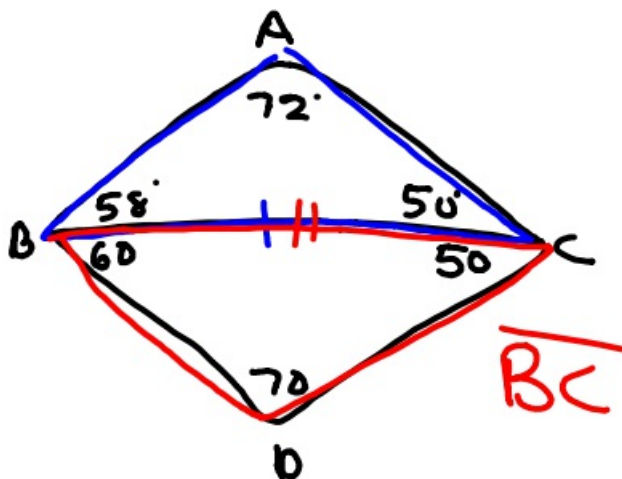
$\triangle BCD$
 \overline{BC} \overline{BD} \overline{CD}

(5)



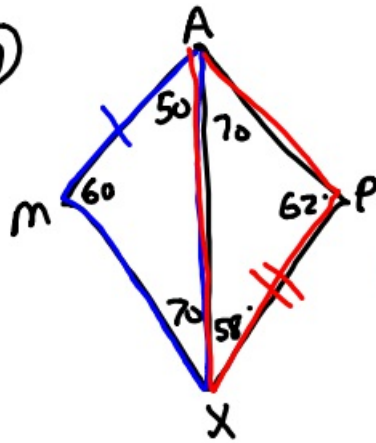
\overline{XY}

(6)



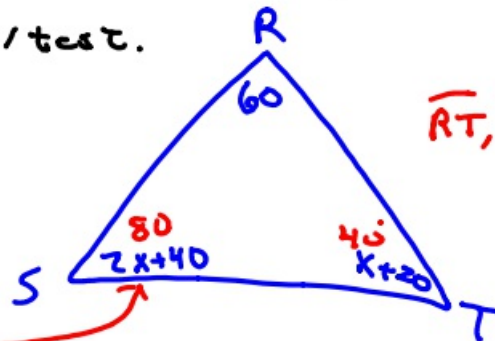
\overline{BC}

7)



Can't determine

8) In $\triangle RST$, $\angle R = 60$, $\angle S = 2x + 40$, and $\angle T = x + 20$. Put sides in order from longest to shortest.

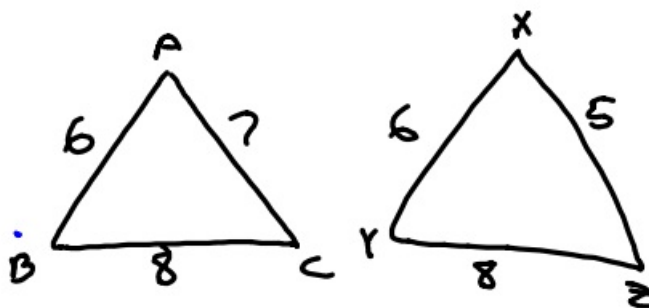


$\overline{RT}, \overline{ST}, \overline{RS}$

$$60 + 2x + 40 + x + 20 = 180$$

$$3x + 120 = 180$$

$$x = 20$$



$$\angle B > \angle Y$$