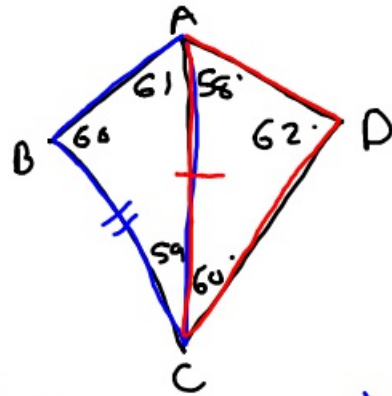


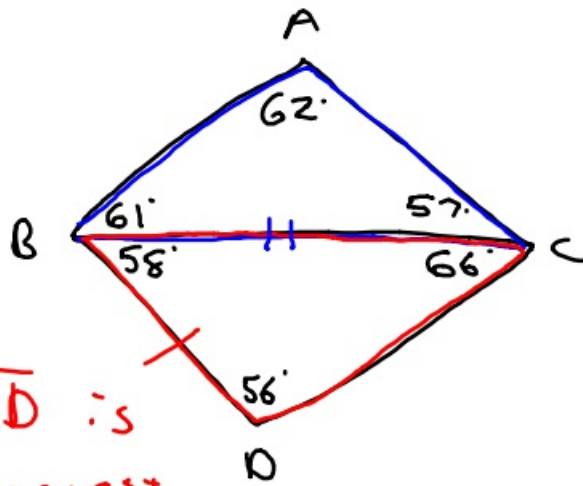
11-9-17 5<sup>th</sup> Geo

①



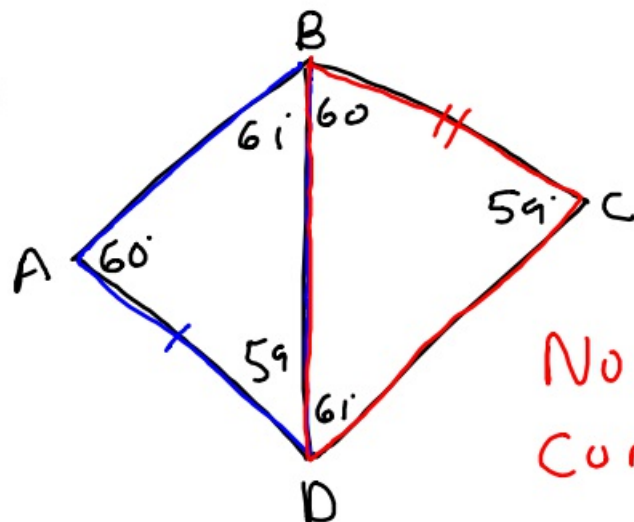
$\overline{BC}$  is longest leg.

②



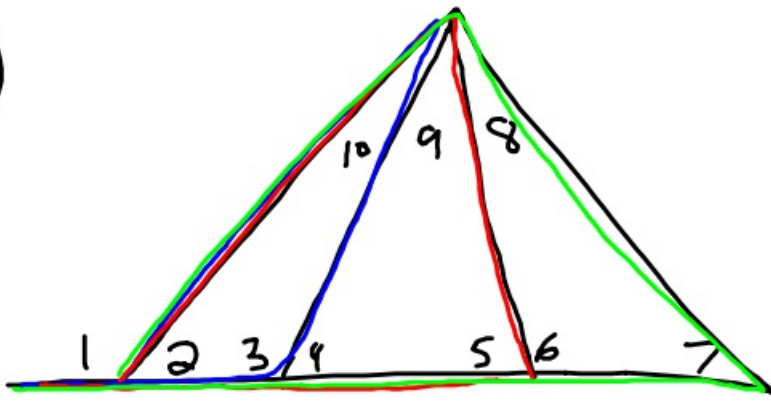
$\overline{BD}$  is  
longest

③



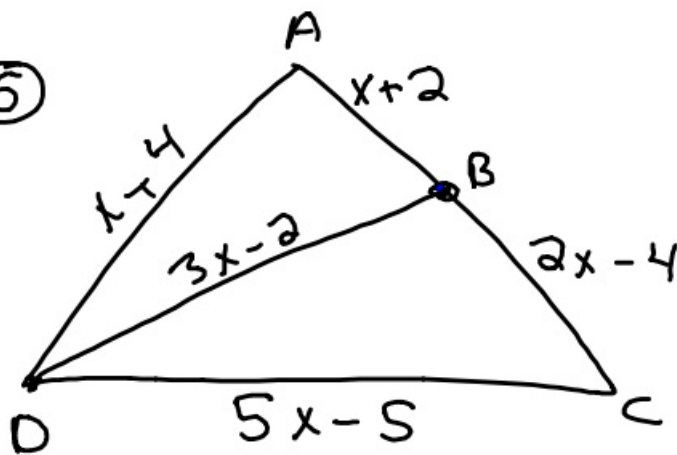
No  
Conclusion

④



$\angle 1$  is larger than  $\angle 3, \angle 10, \angle 5, \angle 9, \angle 7, \angle 8$

⑤



If  $\overline{DB}$  is median of  $\triangle ACD$ ,  
What is  $DB$ ?

$$\begin{array}{r} 2x-4 = x+2 \\ -x \quad -x \\ \hline \end{array}$$

$$x-4 = 2$$

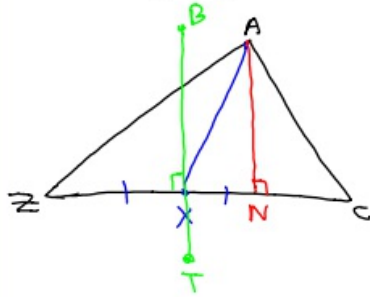
$$x = 6$$

$$DB = 3x-2$$

$$= 3 \cdot 6 - 2$$

$$= 16$$

- ⑥ Draw  $\overline{AX}$  as median ✓  
 $\overline{AN}$  as altitude ✓  
 $\overline{BT}$  as  $\perp$  bisector

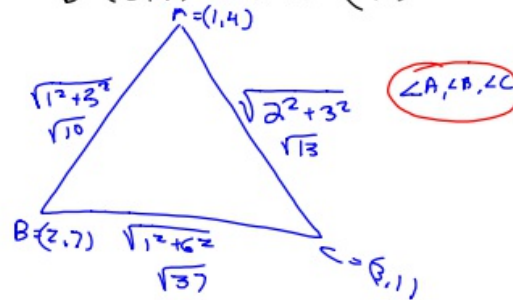


- ⑦ Which could be  $\triangle$ ?

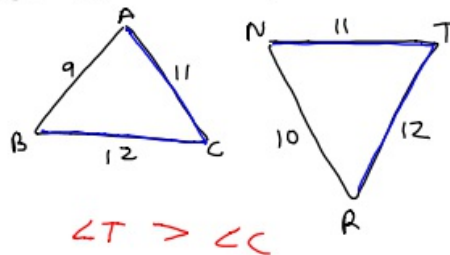
- x a.)  $\overbrace{2, 8, 11}^6$  10  
 x b.)  $\overbrace{3, 3, 6}^0$  6  
 x c.) 4, 2, 1  $\overbrace{2}^6$   
 ✓ d.) 5, 3, 4  $\overbrace{2}^8$   
 ✓ e.) 6, 4, 9  $\overbrace{2}^{10}$

- ⑧ Put angles in order from largest to shortest in  $\triangle ABC$  if  $A = (1, 4)$

$B = (2, 7)$  and  $C = (3, 1)$

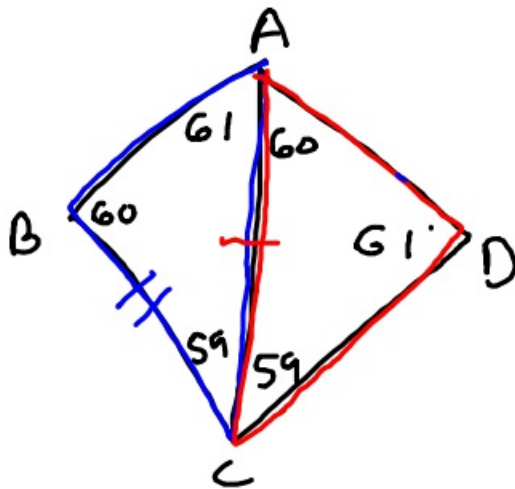


- ⑨ What can you conclude?



11-9-17 6<sup>th</sup> Geo

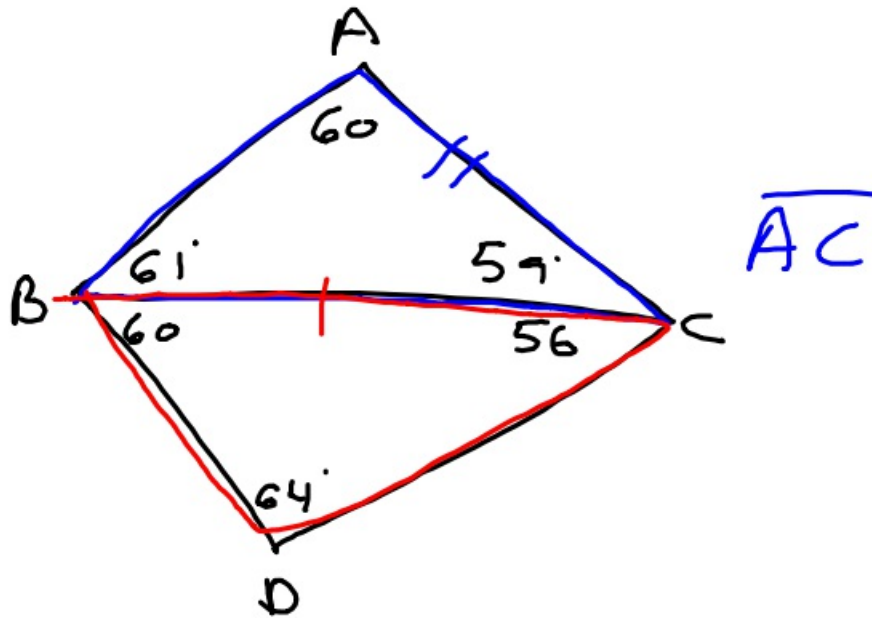
①



Which is longest side?

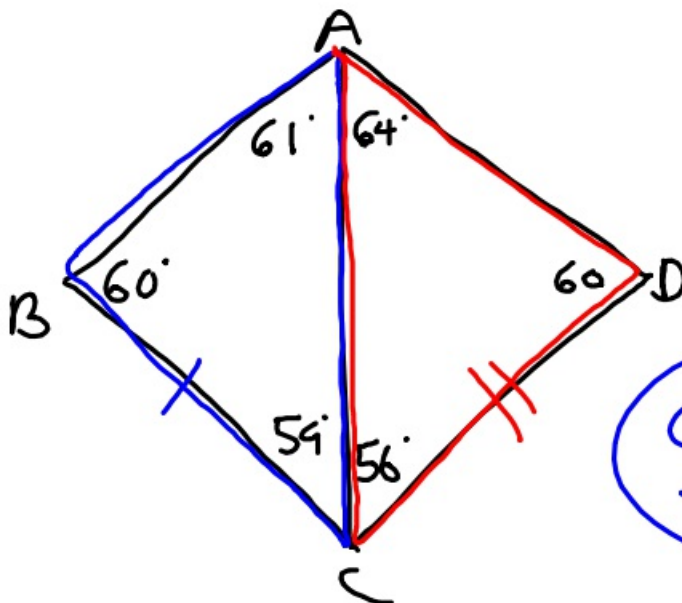
BC

②



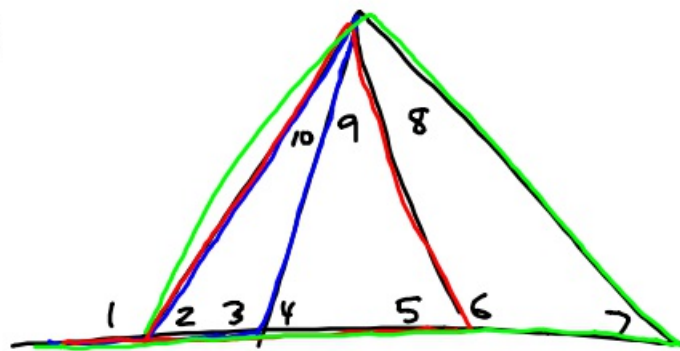
AC

③



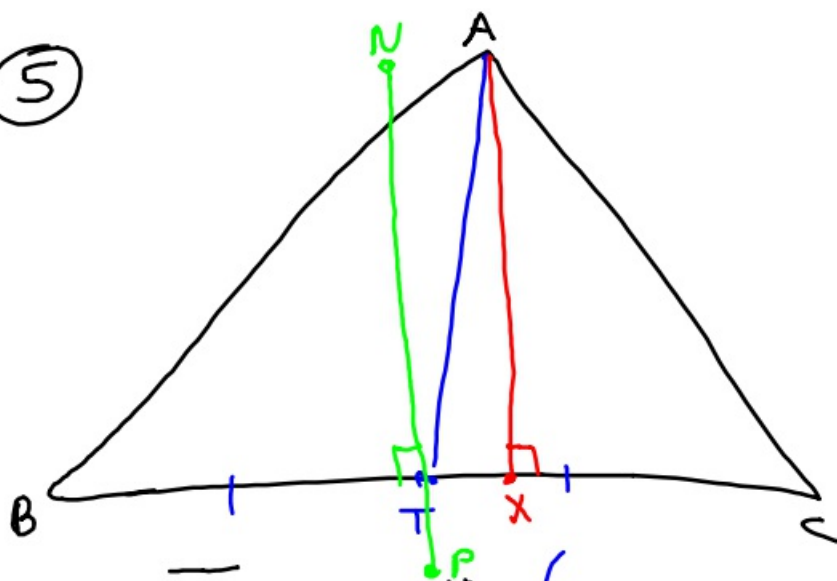
Can't tell

④



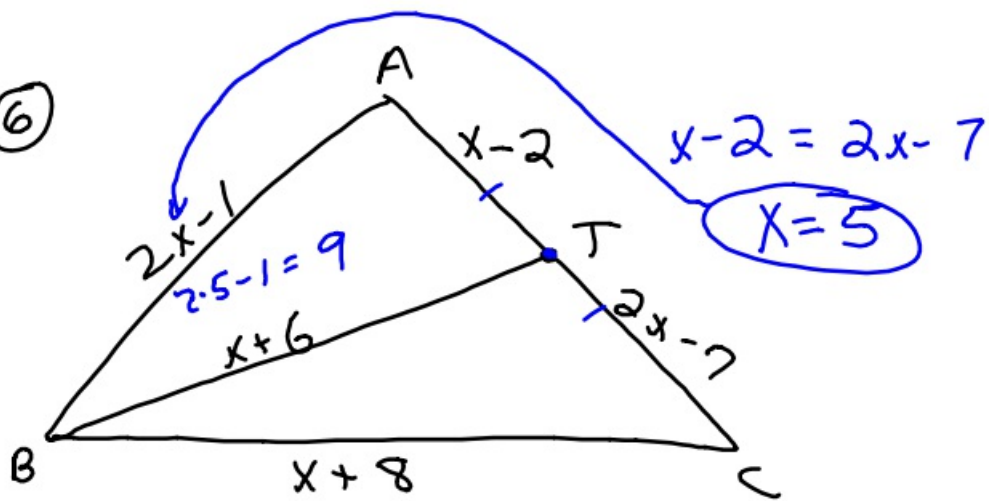
$\angle 1$  is larger than  $\angle 3, \angle 10, \angle 5, \angle 9, \angle 7, \angle 8$

⑤



Draw  $\overline{AT}$  as median ✓  
 $\overline{AX}$  as altitude ✓  
 $\overline{NP}$  as  $\perp$  bisector.

⑥



If  $\overline{BT}$  is median, find AB.

⑦ Which could be a  $\Delta$ ?

x a.)  $(2, 8, 15)$     6    10

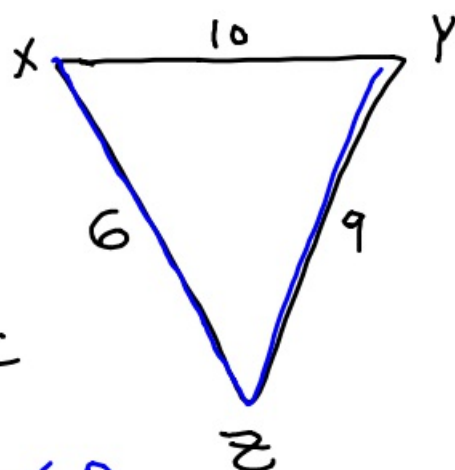
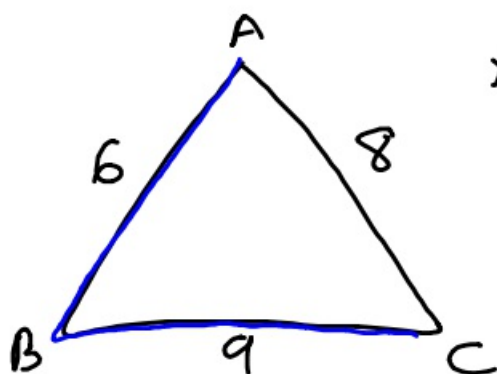
x b.)  $(3, 3, 6)$     0    6

✓ c.)  $(5, 4, 2)$     1    9

✓ d.)  $(1, 8, 8)$     7    9

x e.)  $(2, 13, 25)$     1    25

⑧ What can you conclude?



$\angle Z > \angle B$