

11-6-17 5<sup>th</sup> Geo

2, 5      Most 7  
Least 3

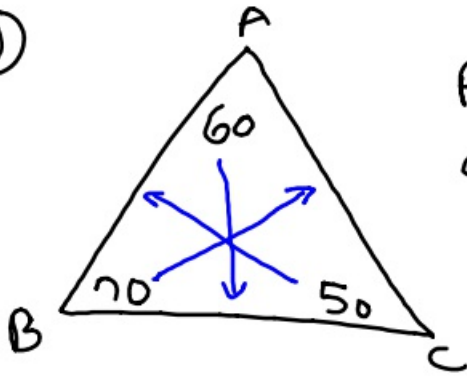
Most  $\frac{2 \text{ --- less 7 --- } 5}{2 \quad 5}$        $\frac{2 \text{ --- max 3 --- } 5}{2 \quad 5}$

- ① 2, 5       $3 < m < 7$
- ② 8, 5       $3 < m < 13$
- ③ 6, 6       $0 < m < 12$
- ④ 2, 12       $10 < m < 14$
- ⑤ 7, 8       $1 < m < 15$
- ⑥ 5, 15       $10 < m < 20$
- ⑦ Which could be triangles?

- Ⓐ 2, 7, 11      5-9      NO
- Ⓑ 1, 8, 10      7-9      NO
- Ⓒ 2, 4, 5      2-6      Yes
- Ⓓ 8, 6, 11      2-14      Yes
- Ⓔ 5, 6, 11      1-11      NO
- Ⓕ 5, 5, 5      0-10      Yes

5-2

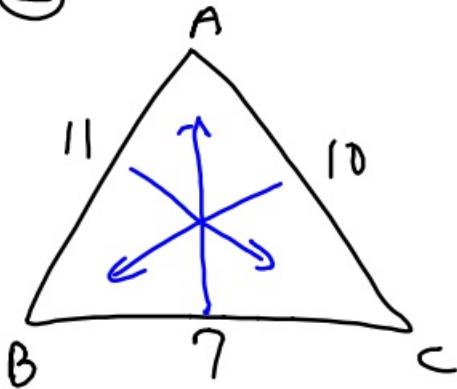
①



Put sides in order from longest to shortest.

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

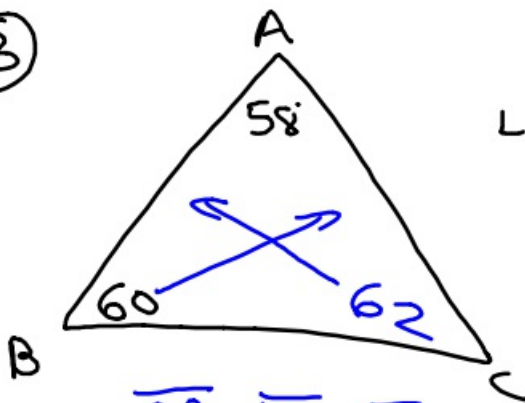
②



Put angles in order from largest to smallest

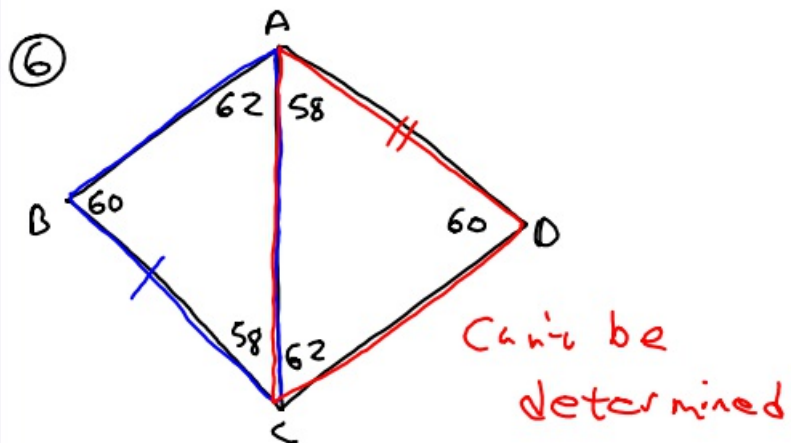
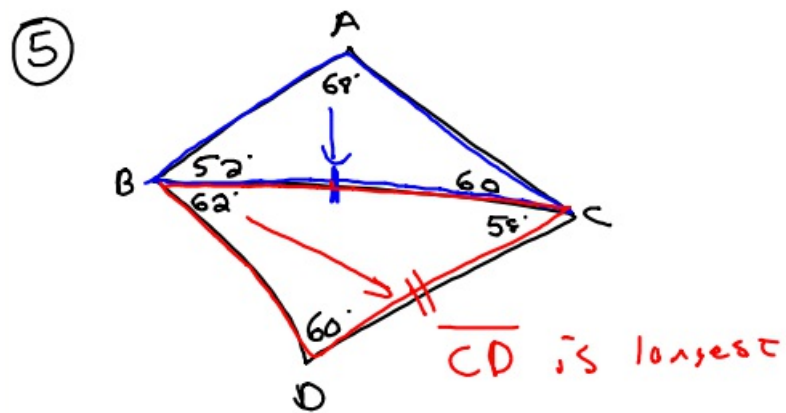
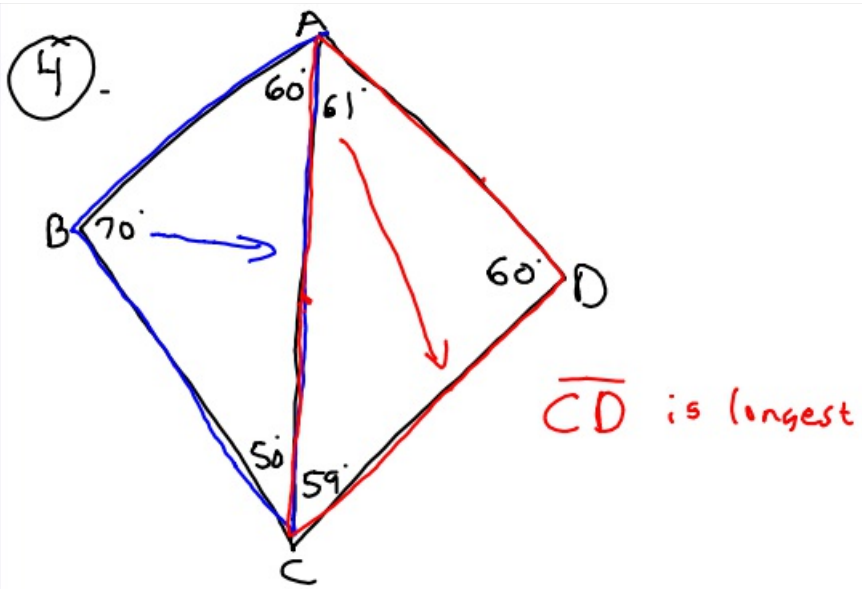
$\angle C, \angle B, \angle A$

③



Longest to shortest side

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



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

① 5, 3



$$2 < m < 8$$

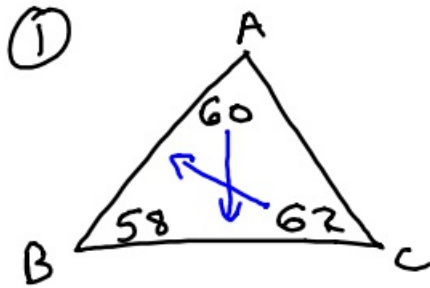
② 6, 10  $4 < m < 16$

③ 8, 20  $12 < m < 28$

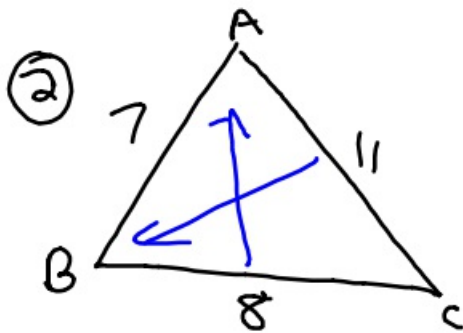
Which could be triangles?

- ④ 2, 8, 15  $6$  10 NO
- ⑤ 4, 6, 9  $2$  10 YES
- ⑥ 2, 8, 10  $6$  10 NO
- ⑦ 5, 5, 5  $0$  10 YES
- ⑧ 6, 8, 1  $2$  14 NO
- ⑨ 6, 6, 12  $0$  12 NO

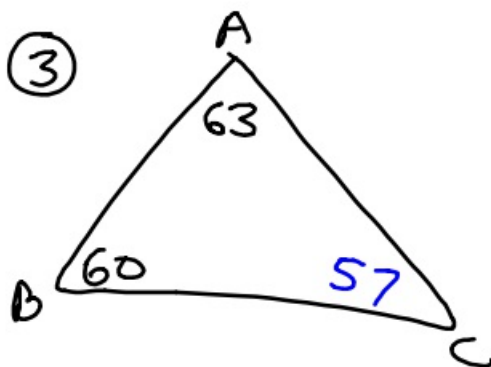
$$\frac{5-2}{}$$



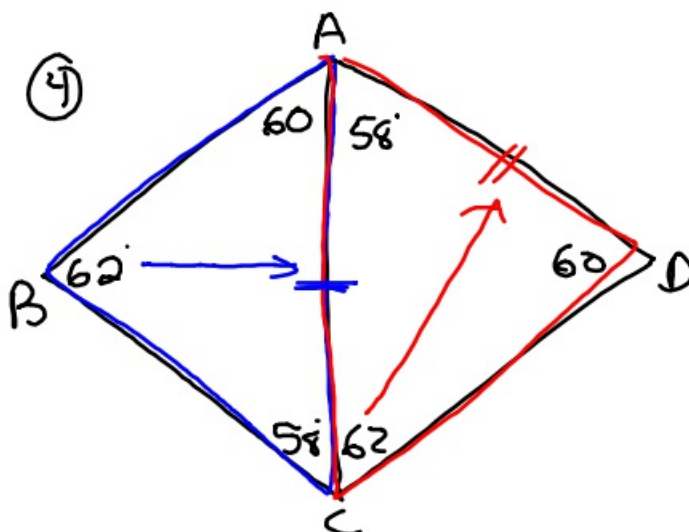
Put sides in order  
from longest to  
shortest  
 $\overline{AB}, \overline{BC}, \overline{AC}$



Put angles in order  
from greatest to  
least  
 $\angle B, \angle A, \angle C$

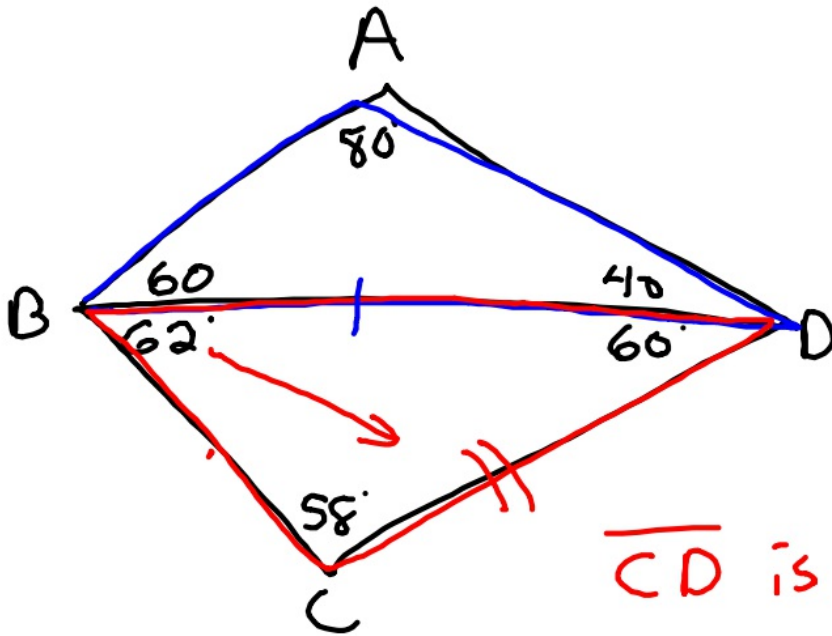


longest to shortest  
 $\overline{BC}, \overline{AC}, \overline{AB}$



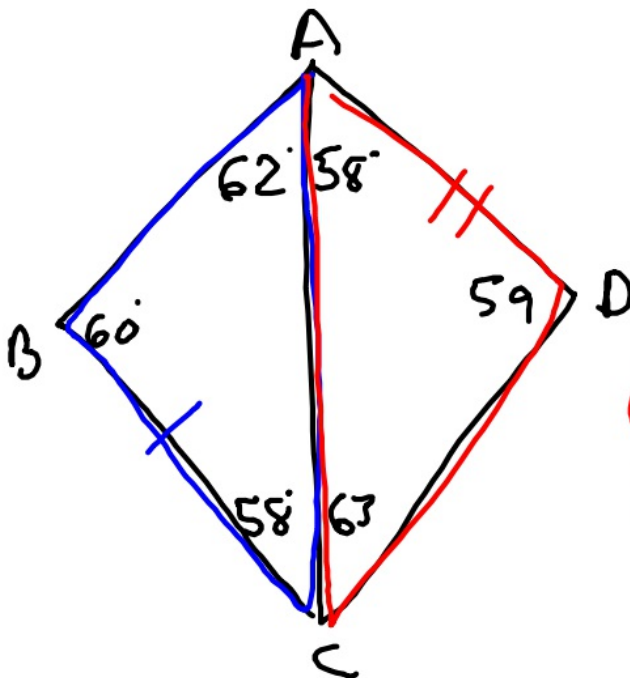
Longest  
Side  
 $\overline{AD}$

5



$\overline{CD}$  is longest

6



Not possible to determine