

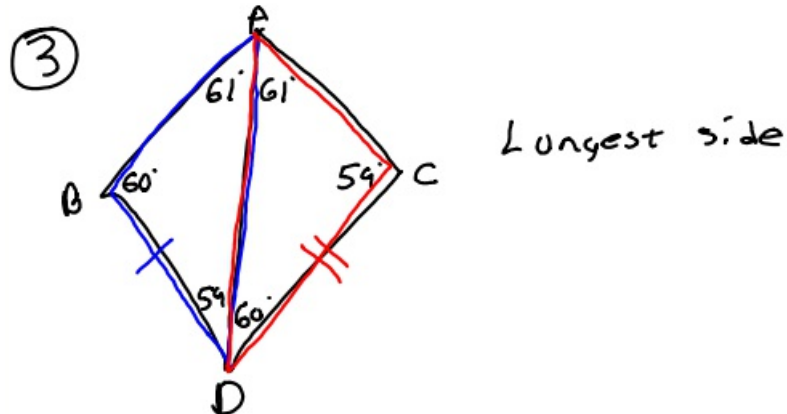
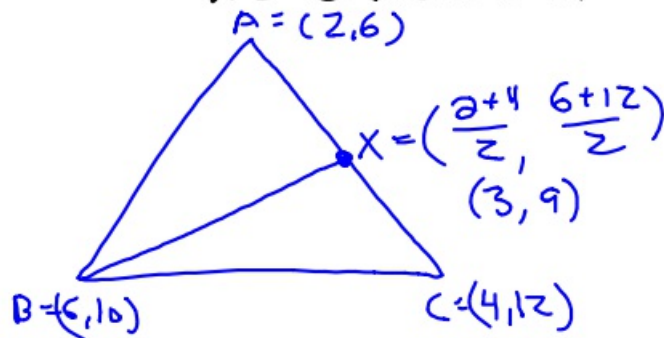
11-10-17 5<sup>th</sup> Geo

- ① Which of these can you use to make a triangle

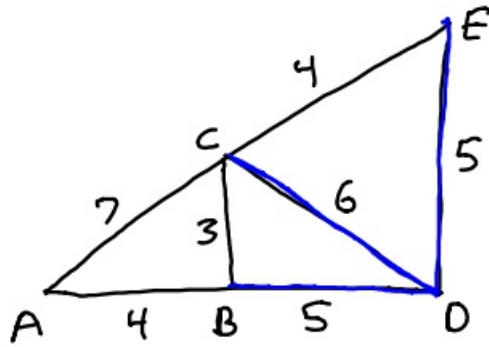
5, 9, 15, 23

9, 15, 23

- ② In  $\triangle ABC$ ,  $A = (2, 6)$   
 $B = (6, 10)$ , and  $C = (4, 12)$ .  
If  $\overline{BX}$  is a median, what are  $X$ 's coordinates?



④



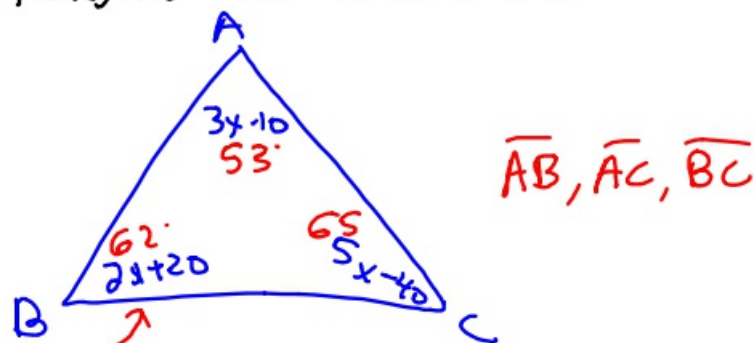
Which angles can we compare?

$$\angle BDC < \angle EDC$$

⑤ What is third side of a  $\Delta$  if it has sides of 4 and 10?

$$6 < m < 14$$

⑥ In  $\Delta ABC$ ,  $\angle A = 3x - 10$ ,  
 $\angle B = 2x + 20$ , and  $\angle C = 5x - 40$ .  
Put sides in order from  
longest to shortest.



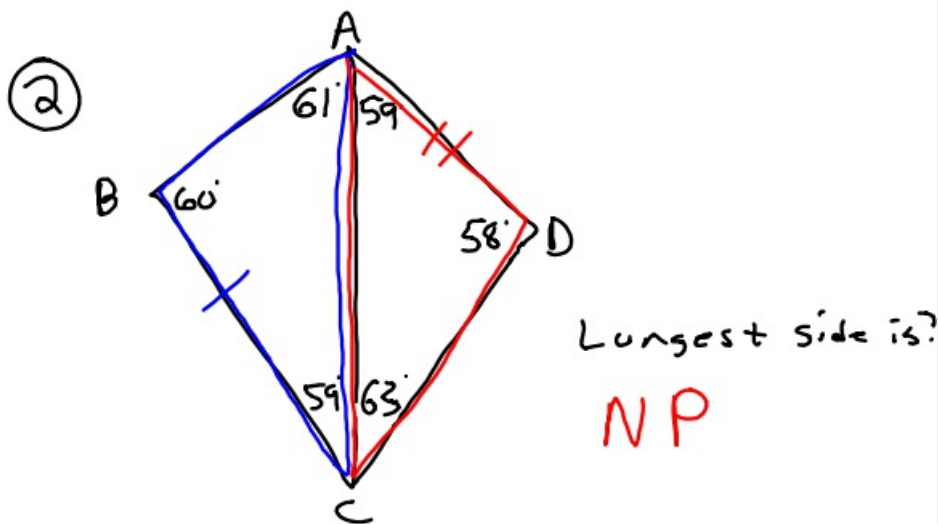
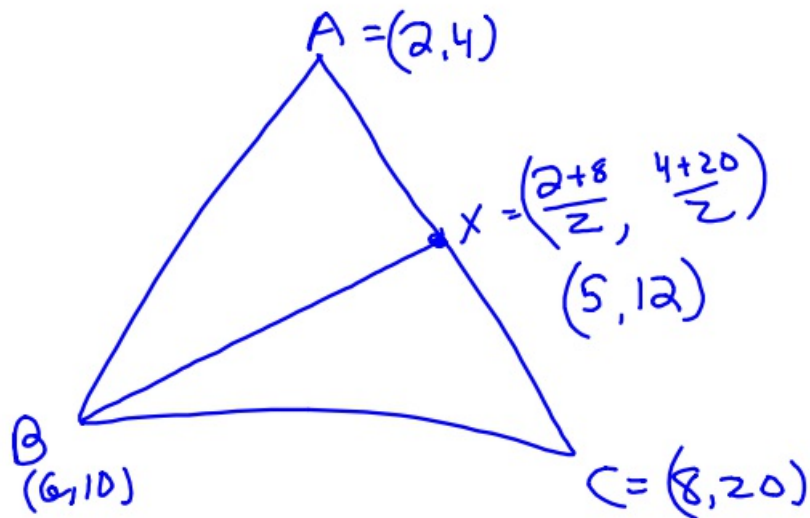
$$2x + 20 + 5x - 40 + 3x - 10 = 180$$

$$\begin{array}{r} 10x - 30 = 180 \\ + 30 \quad + 30 \\ \hline 10x = 210 \end{array}$$

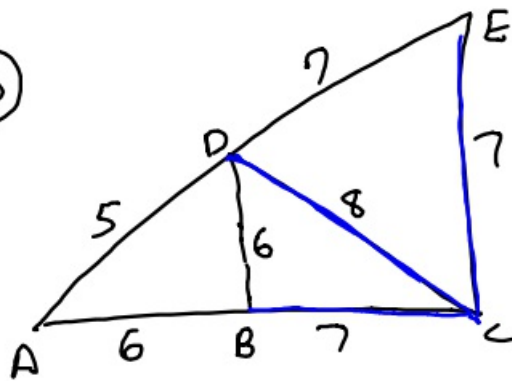
$$x = 21$$

11-10-17 6<sup>th</sup> Geo

- ① In  $\triangle ABC$ ,  $A = (2, 4)$ ,  
 $B = (6, 10)$ , and  $C = (8, 20)$ .  
If  $\overline{BX}$  is the median of  
 $\triangle ABC$ , then what are the  
coordinates of  $X$ ?



③



Which two angle can I compare?

$$\angle DCB < \angle DCE$$

④

Which of these three sticks could you use to make a  $\triangle$ .

5, 9, 17, 25

9, 17, 25

⑤ In  $\triangle ABC$ ,  $A = (2, 1)$ ,

$B = (7, 4)$ , and  $C = (1, 10)$ .

Put the angles in order from greatest to least.

