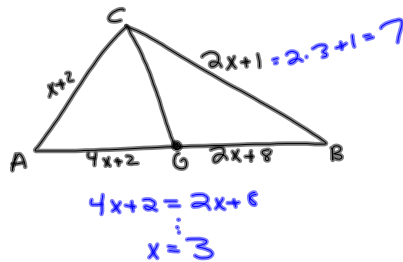


11-21-13
5th Geo

Find BC if \overline{CG} is a median of $\triangle ABC$.



Which could be \triangle s.

- A.) $\boxed{2, 5, 6}$ $\sqrt{3}$ 7
 B.) $\boxed{3, 1, 5}$ $\times 2$ 4
 C.) $\boxed{2, 8, 10}$ $\times 6$ 10
 D.) $\boxed{1, 1, 1}$ $\sqrt{0}$ 2

Tell what the 3rd side must fall between if given the following 2 legs.

- A.) 2, 8 $6 < m < 10$
 B.) 3, 3 $0 < m < 6$
 C.) 1, 100 $99 < m < 101$

In $\triangle ABC$, $\angle A = 4x$, $\angle B = 3x - 15$, $\angle C = 4x + 30$. Determine the longest and shortest side.

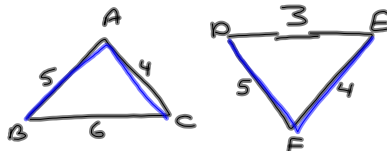


$$4x + 3x - 15 + 4x + 30 = 180$$

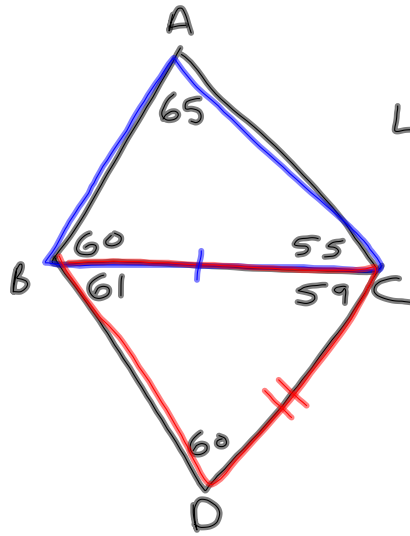
$$\begin{array}{r} 11x + 15 = 180 \\ -15 \quad -15 \\ \hline 11x = 165 \end{array}$$

$$\frac{11x}{11} = \frac{165}{11}$$

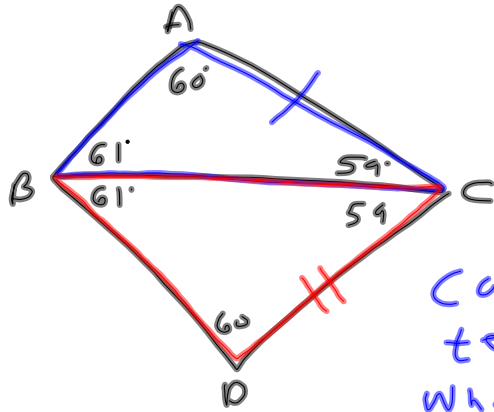
$$x = 15$$



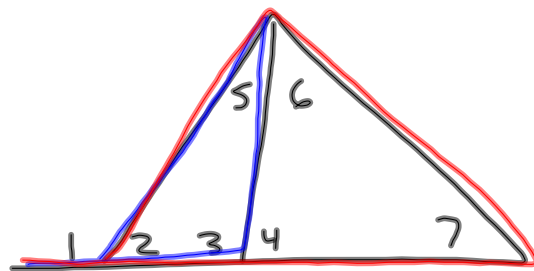
$$\angle A > \angle F$$



Longest side
is CD

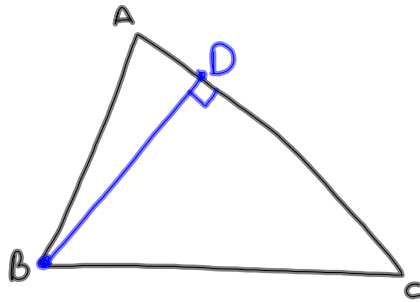


Can't
tell
which is
larger.

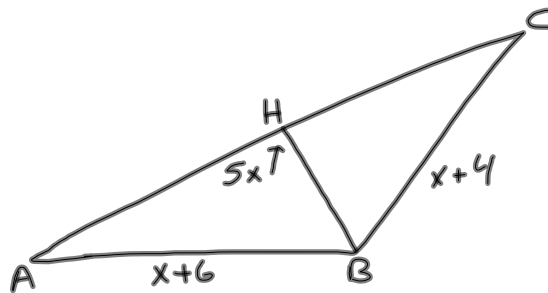


$\angle 1$ is larger than which \angle 's?
 $\angle 3, \angle 5, \angle 6, \angle 7$

11-21-13
6th Geo



Draw altitude \overline{BD} .



If \overline{BH} is an altitude, what is BC?

$$\frac{5x+7}{5} = \frac{90}{5}$$

$$x = 18$$

Tell what the third side of a Δ must fall between given 2 of the 3 sides.

a.) 2, 6 $4 < m < 8$

b.) 3, 7 $4 < m < 10$

c.) 4, 4 $0 < m < 8$

Which could be Δ s.

✓ a.) $\boxed{2, 5}, 6$ $\overset{3}{\curvearrowright}$ 7

✗ b.) $\boxed{3, 3}, 10$ $\overset{0}{\curvearrowright}$ 6

✗ c.) $\boxed{4, 5}, 9$ $\overset{1}{\curvearrowright}$ 9

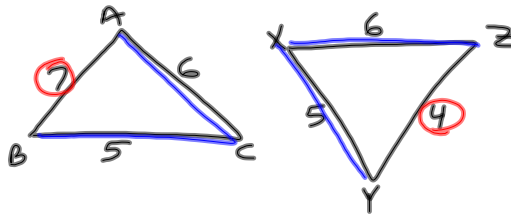
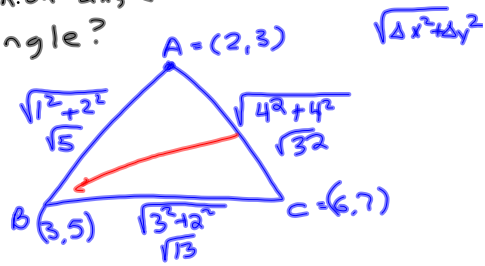
✓ d.) $\boxed{2, 2}, 2$ $\overset{0}{\curvearrowright}$ 4

In $\triangle ABC$, $A=(2,3)$

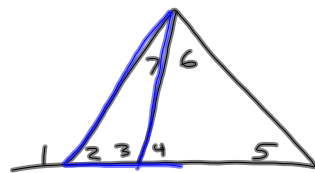
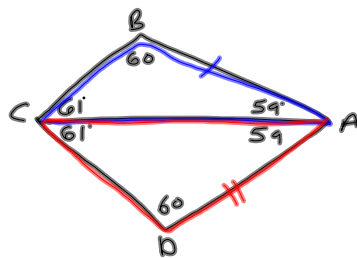
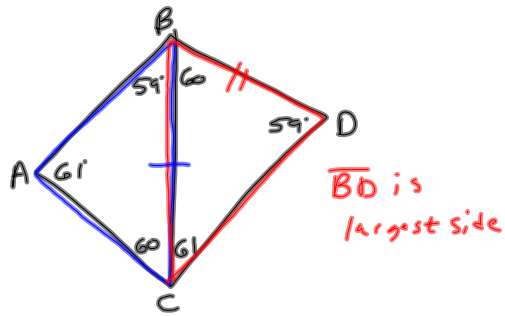
$B=(3,5)$ $C=(6,7)$.

Which angle is the largest angle?

$\angle B$



$\angle C > \angle X$



$\angle 4$ is larger than what angles?

$\angle 2, \angle 7$