11-13-17 5th Geo

quick – adj.

quickly – adverb

Test tomorrow

① 4, 10

$6 < m < 14$

$6 \leq m \leq 14$

$6 < m \leq 14$

$6 > m > 14$

② Which could be triangles

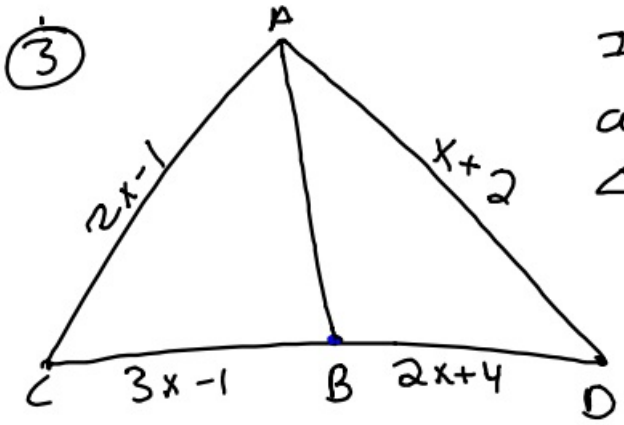
✓ (A) 10, 11, 20 — 1 — 21

✗ (B) 11, 11, 22 — 0 — 22

✓ (C) 6, 8, 11 — 2 — 14

✗ (D) 5, 4, 10 — 1 — 9

③



If $\overline{AB}$ is a median of $\triangle ACD$, what is AC?

$3x-1 = 2x+4$

$-2x \quad -2x$

$x-1 = 4$

$+1 \quad +1$

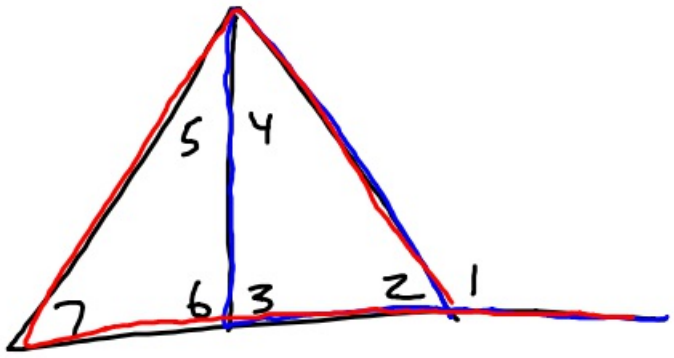
$x = 5$

$AC = 2x-1$

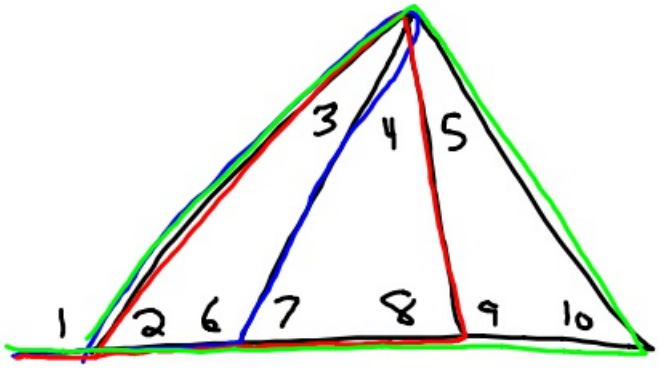
$2 \cdot 5 - 1$

9

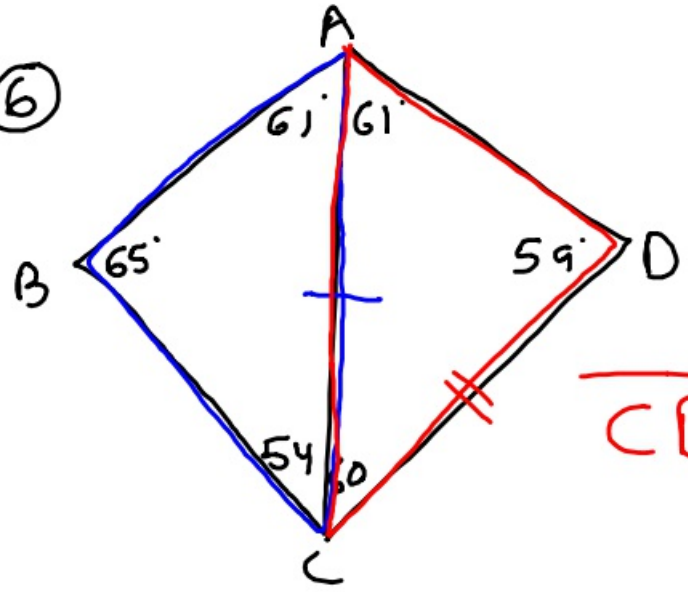
(4) $\angle 1$ is larger than which angles? $\angle 3, \angle 4, \angle 5, \angle 7$



(5) $\angle 1$ is greater than $\angle 3 \angle 6$ $\angle 8, \angle 4$ $\angle 10, \angle 5$



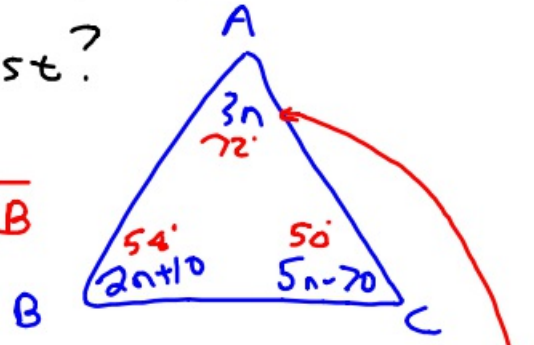
(6)



Which side is longest?

$\overline{CD}$

(7) In $\triangle ABC$, $\angle A = 3n$, $\angle B = 2n+10$, $\angle C = 5n-70$. Put the sides in order from longest to shortest?



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

$3n + 2n + 10 + 5n - 70 = 180$

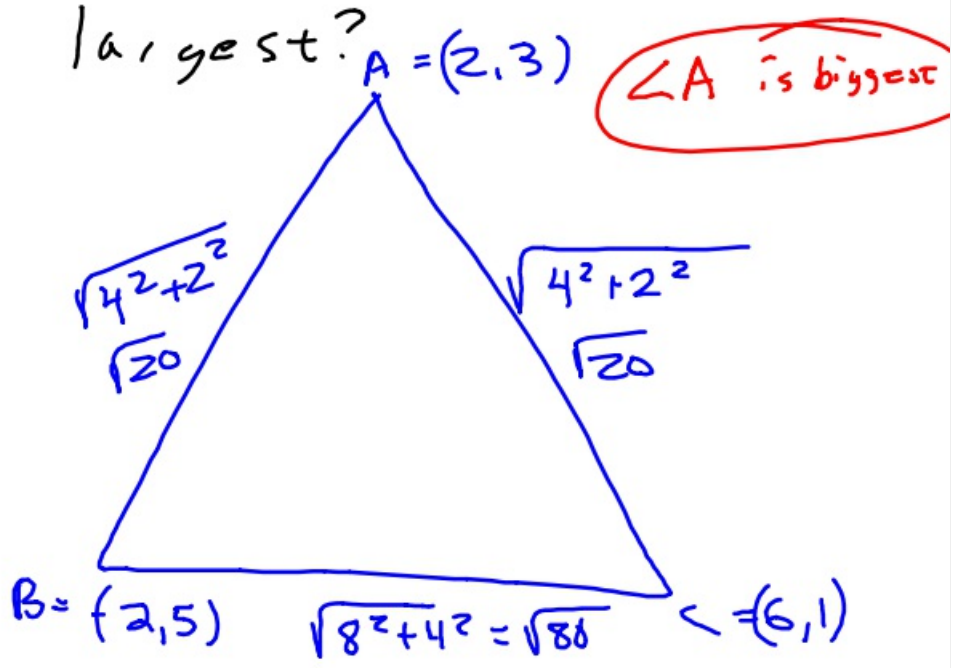
$10n - 60 = 180$

$+60 \quad +60$

$10n = 240$

$n = 24$

(8) In $\triangle ABC$, $A = (2,3)$ $B = (-2,5)$ $C = (6,1)$. Which angle is largest?



caroline

wheels

Kara has

cece

@Rybone

~~@kara.lootz~~

bye cece

11-13-17 6th Geo

quick- adj

quickly- adverb

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① 2, 7

$5 \leq m \leq 9$

$5 > m > 9$

$5 < m < 9$

$5 \leq m < 9$

② Which is a triangle?

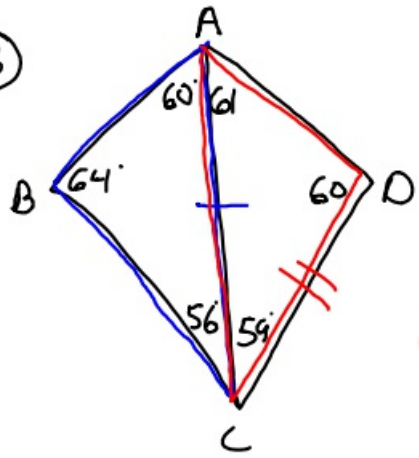
X (A) 6, 6, 12 0 12

(B) 7, 3, 15

✓ (C) 3, 8, 7 5 11

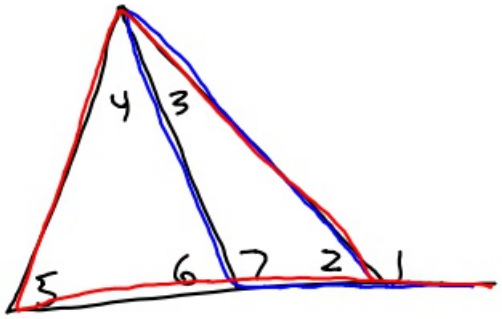
(D) 2, 8, 19

③

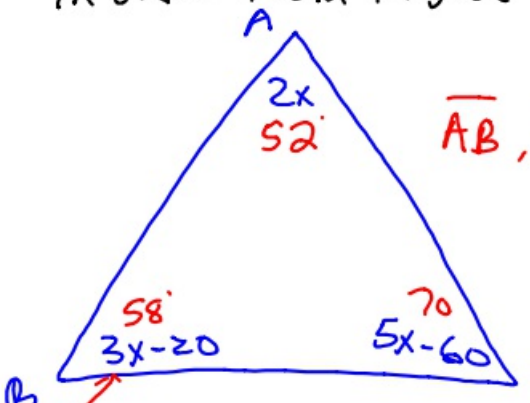


$\overline{CD}$ is longest leg

④ $\angle 1$ is larger than $\angle 3, \angle 2, \angle 4, \angle 5$



⑤ In $\triangle ABC$, $\angle A = 2x$, $\angle B = 3x - 20$, $\angle C = 5x - 60$. Put the sides in order from longest to shortest.



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

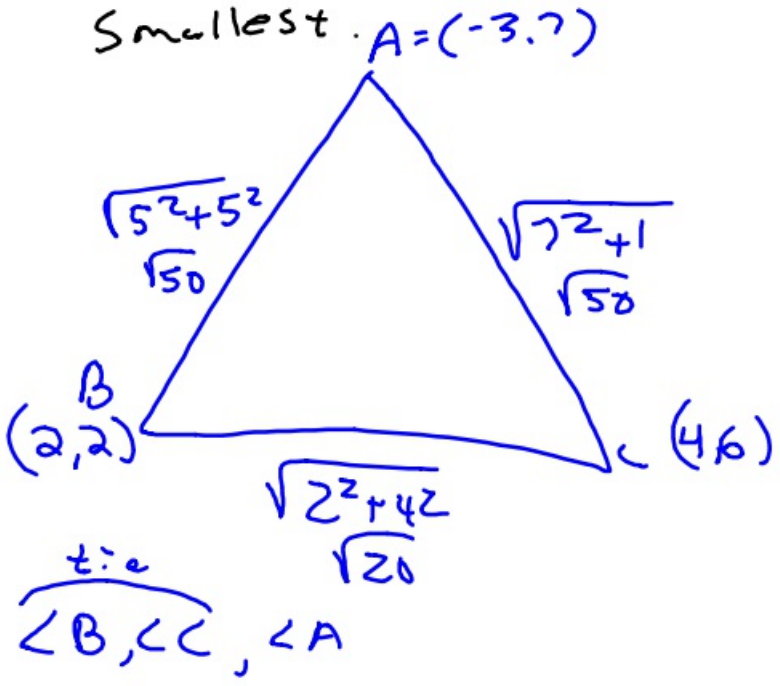
$2x + 3x - 20 + 5x - 60 = 180$

$10x - 80 = 180$

$10x = 260$

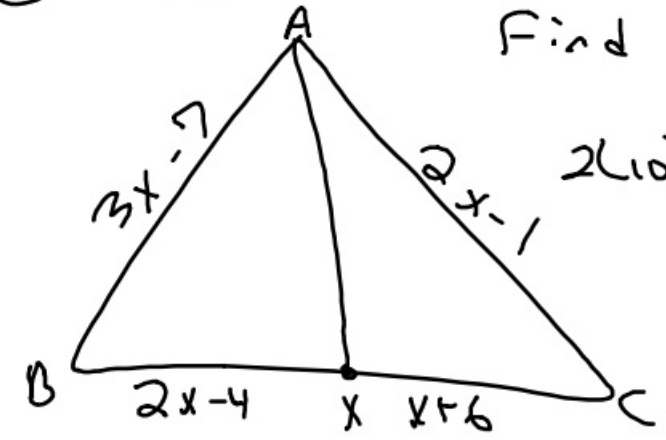
$x = 26$

⑥ In $\triangle ABC$, $A=(-3,7)$ $B=(2,2)$ $C=(4,6)$. Put angles in order from largest to smallest.



$\overbrace{\angle B, \angle C, \angle A}^{\text{tie}}$

⑦ $\overline{AX}$ is a medium of $\triangle ABC$. Find AC.



$2(10)-1=19$

$2x-4=x+6$

$x-4=6$

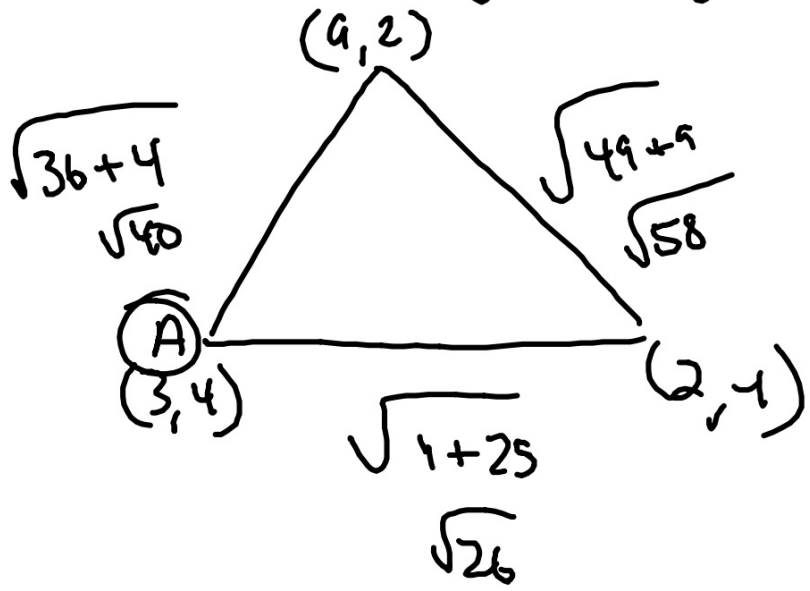
$x=10$

In $\triangle ABC$ $A = (3, 4)$

$B = (2, -1)$

$C = (9, 2)$

Which is largest angle?



In $\triangle RST$ $\angle R = 60$

$\angle S = 2x+40$ (80)

$\angle T = x+20$ (40)

list sides from smallest-largest

$3x + 120 = 180$

$3x = 60$

$x = 20$

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