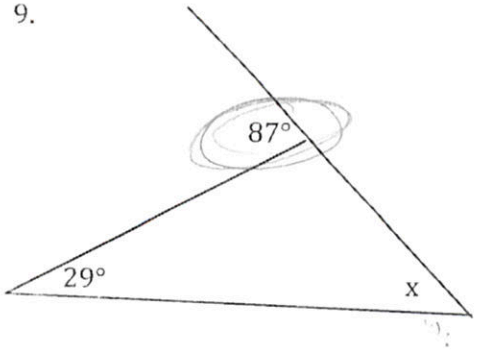
9.



This isn't as difficult as it looks...

$m\angle 1 + m\angle 2 = m\angle 3$

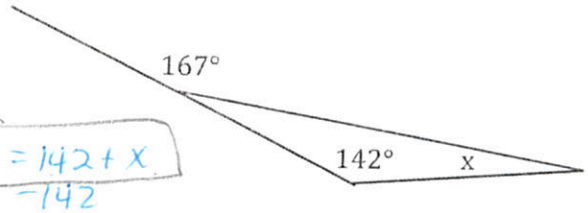
$29° + x = 87°$

$-29° \quad -29°$

$x = 58$

See? Next, you try one...

11.

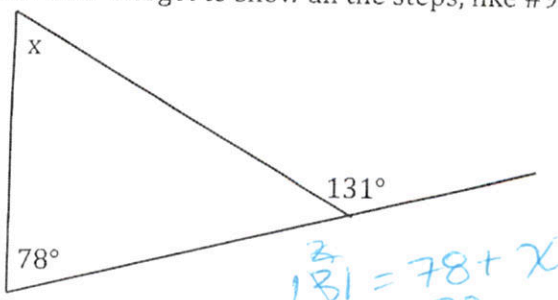


$167 = 142 + x$

$-142 \quad -142$

$25 = x$

10. Don't forget to show all the steps, like #9.

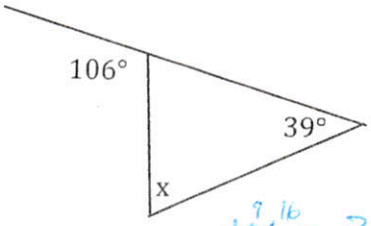


$131 = 78 + x$

$-78 \quad -78$

$53 = x$

12.

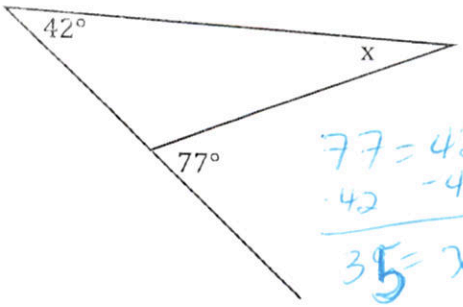


$106 = 39 + x$

$-39 \quad -39$

$67 = x$

13.

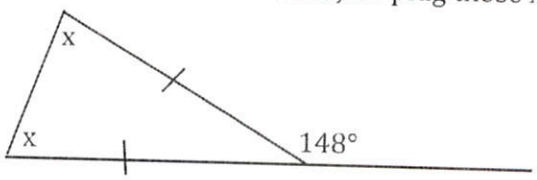


$77 = 42 + x$

$-42 \quad -42$

$35 = x$

14. Don't over-think this one. Just plug those x's in!



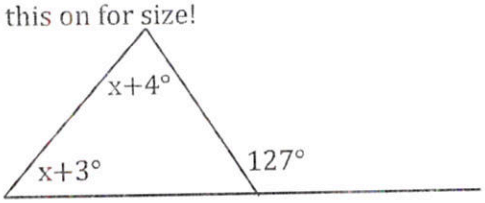
$\frac{148}{2} = \frac{2x}{2}$

$74 = x$

Bubble all the correct answers from above. Don't bubble incorrect answers.

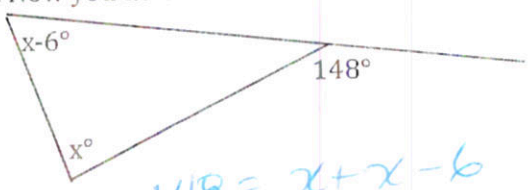
● 35° ● 67° ○ 13° ○ 93° ● 74° ○ 32° ● 58° ● 53° ● 25° ○ 49°

15. Try this on for size!



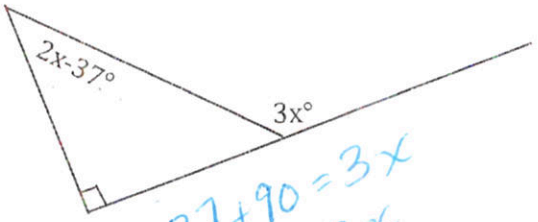
$m\angle 1+m\angle 2=m\angle 3$
$(x+3°)+(x+4°)=125°$
$x+3°+x+4°=125°$
$2x+7°=125°$
$-7° \quad -7°$
$\frac{2x}{2}=\frac{118°}{2}$ 120
$x=59°$ 60°

16. Now you do one.



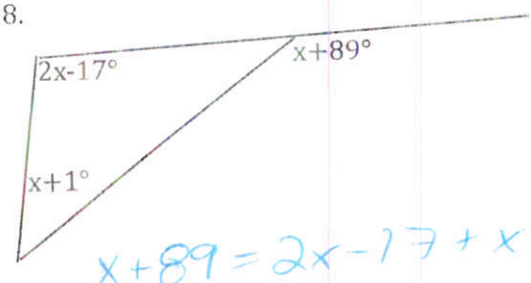
$148=x+x-6$
$148=2x-6$
$+6 \quad +6$
$\frac{154}{2}=\frac{2x}{2}$
$77=x$

17.



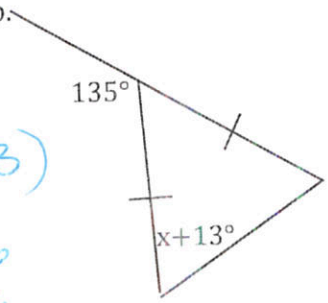
$2x-37+90=3x$
$2x+53=3x$
$-2x \quad -2x$
$53=x$

18.



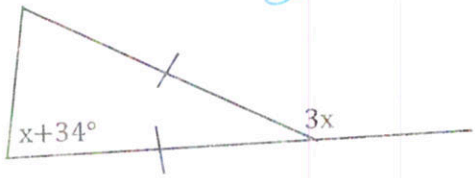
$x+89=2x-17+x+1$
$x+89=3x-16$
$+16 \quad +16$
$x+105=3x$
$-x \quad -x$
$\frac{105}{2}=\frac{2x}{2}$
$52.5=x$

19. See #14 for help.



$135=2(x+13)$
$135=2x+26$
$-26 \quad -26$
$\frac{109}{2}=\frac{2x}{2}$
$54.5°=x$

20.



$3x=2(x+34)$
$3x=2x+68$
$-2x \quad -2x$
$x=68°$

Bubble all the correct answers from above. Don't bubble incorrect answers.

●53° ●54.5° ○34° ●52.5° ○137° ○48.5° ●77° ●68° ○154° ●59° ✗ 60°