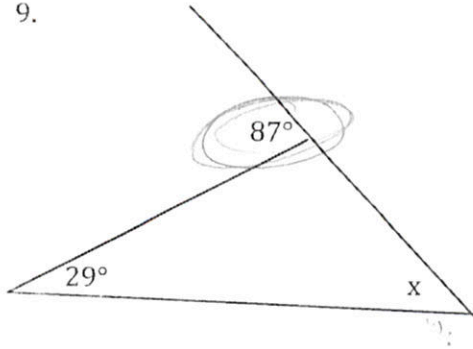


9.

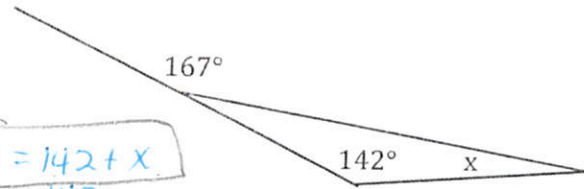


This isn't as difficult as it looks...

$$\begin{aligned} m\angle 1 + m\angle 2 &= m\angle 3 \\ 29^\circ + x &= 87^\circ \\ -29^\circ \quad -29^\circ \\ \hline x &= 58 \end{aligned}$$

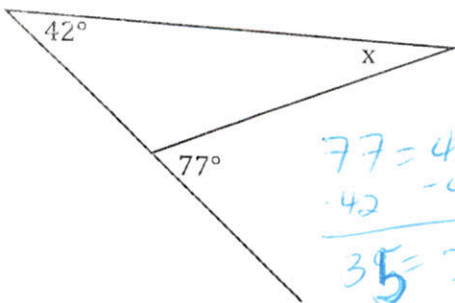
See? Next, you try one...

11.



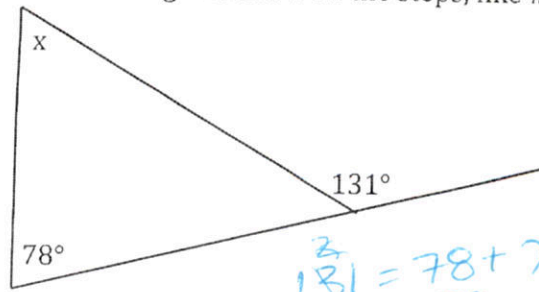
$$\begin{aligned} 167 &= 142 + x \\ -142 \quad -142 \\ \hline 25 &= x \end{aligned}$$

13.



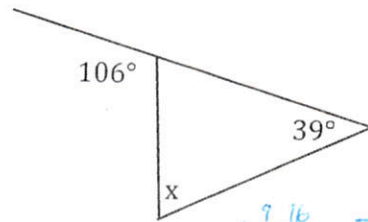
$$\begin{aligned} 77 &= 42 + x \\ -42 \quad -42 \\ \hline 35 &= x \end{aligned}$$

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



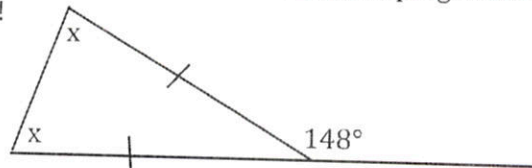
$$\begin{aligned} 131 &= 78 + x \\ -78 \quad -78 \\ \hline 53 &= x \end{aligned}$$

12.



$$\begin{aligned} 106 &= 39 + x \\ -39 \quad -39 \\ \hline 67 &= x \end{aligned}$$

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

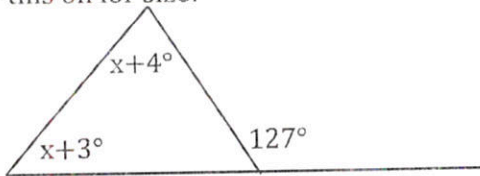


$$\begin{aligned} 148 &= 2x \\ \frac{148}{2} &= \frac{2x}{2} \\ 74 &= x \end{aligned}$$

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

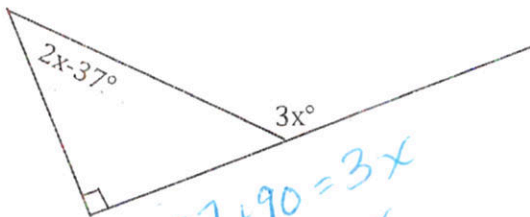
- 35°
 67°
 13°
 93°
 74°
 32°
 58°
 53°
 25°
 49°

15. Try this on for size!



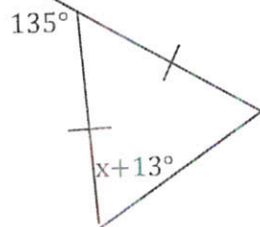
$$\begin{aligned}
 m\angle 1 + m\angle 2 &= m\angle 3 \\
 (x+3^\circ) + (x+4^\circ) &= 127^\circ \\
 x+3^\circ + x+4^\circ &= 127^\circ \\
 2x+7^\circ &= 127^\circ \\
 -7^\circ \quad -7^\circ & \\
 \hline
 2x &= 120^\circ \\
 \frac{2x}{2} &= \frac{120^\circ}{2} \\
 x &= 60^\circ
 \end{aligned}$$

17.



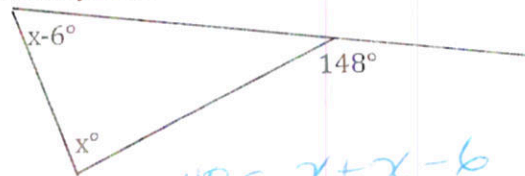
$$\begin{aligned}
 2x - 37 + 90 &= 3x \\
 2x + 53 &= 3x \\
 -2x \quad -2x & \\
 \hline
 53 &= x
 \end{aligned}$$

19. See #14 for help.



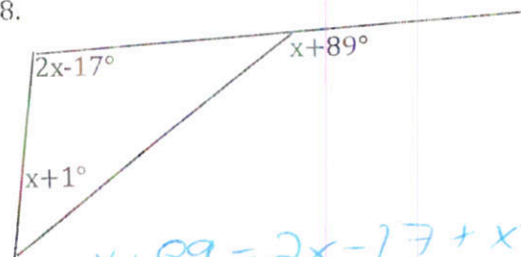
$$\begin{aligned}
 135 &= 2(x+13) \\
 135 &= 2x+26 \\
 -26 \quad -26 & \\
 \hline
 109 &= 2x \\
 \frac{109}{2} &= \frac{2x}{2} \\
 54.5 &= x
 \end{aligned}$$

16. Now you do one.



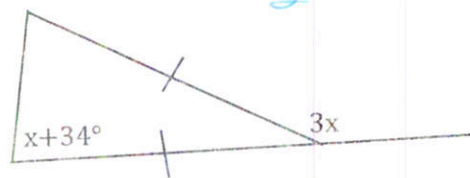
$$\begin{aligned}
 148 &= x+x-6 \\
 148 &= 2x-6 \\
 +6 \quad +6 & \\
 \hline
 154 &= 2x \\
 \frac{154}{2} &= \frac{2x}{2} \\
 77 &= x
 \end{aligned}$$

18.



$$\begin{aligned}
 x+89 &= 2x-17+x+1 \\
 x+89 &= 3x-16 \\
 +16 \quad +16 & \\
 \hline
 x+105 &= 3x \\
 -x \quad -x & \\
 \hline
 105 &= 2x \\
 \frac{105}{2} &= \frac{2x}{2} \\
 52.5 &= x
 \end{aligned}$$

20.



$$\begin{aligned}
 3x &= 2(x+34) \\
 3x &= 2x+68 \\
 -2x \quad -2x & \\
 \hline
 x &= 68^\circ
 \end{aligned}$$

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°