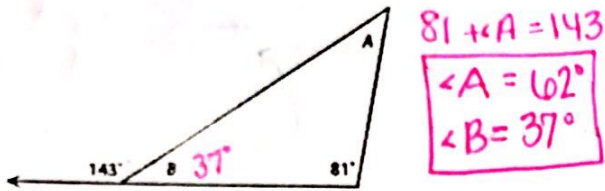
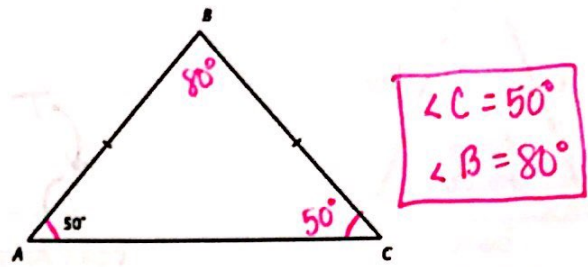


Day 2 – More Triangle Angle Relationships Practice

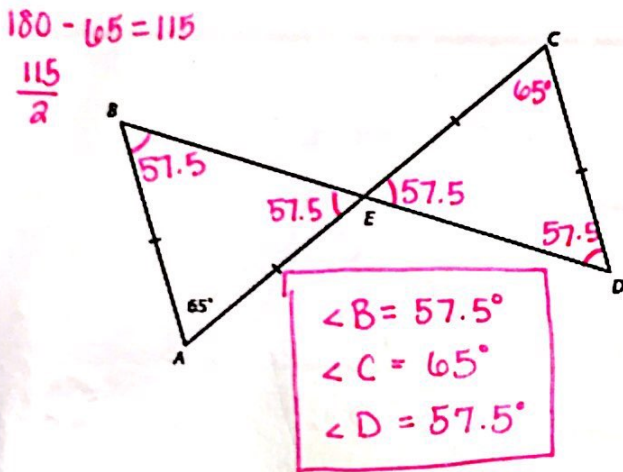
1. $m\angle A, m\angle B$



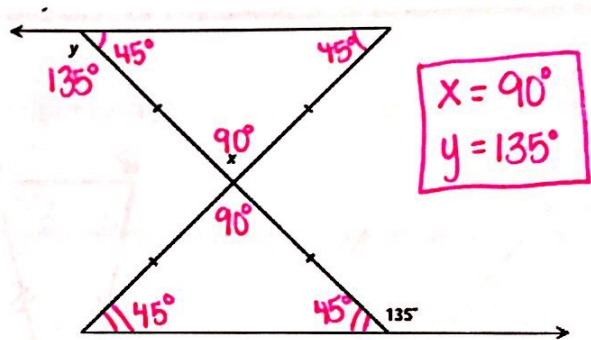
2. $m\angle C$ & $m\angle B$



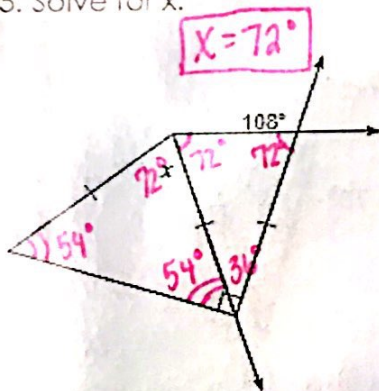
3. $m\angle B$ & $m\angle C$ & $m\angle D$



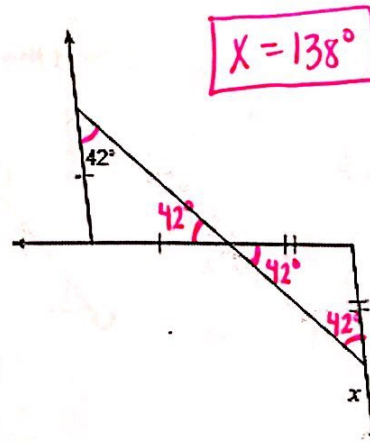
4. Value of x & y



5. Solve for x .

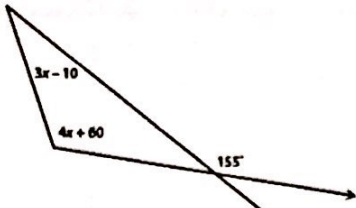


6. Solve for x .



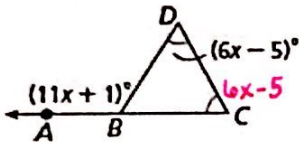
Solve for the indicated variable or angle:

7. Solve for x:



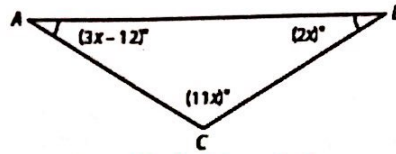
$$\begin{aligned}
 3x - 10 + 4x + 60 &= 155 \\
 7x + 50 &= 155 \\
 -50 \quad -50 & \\
 \hline
 7x &= 105 \\
 \boxed{x = 15} &
 \end{aligned}$$

9. Solve for x:



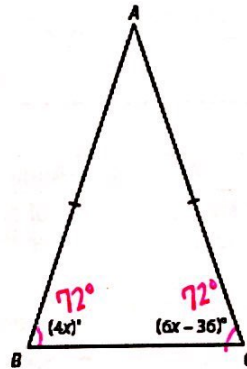
$$\begin{aligned}
 6x - 5 + 6x - 5 &= 11x + 1 \\
 12x - 10 &= 11x + 1 \\
 -11x \quad -11x & \\
 \hline
 x - 10 &= 1 \\
 +10 \quad +10 & \\
 \hline
 \boxed{x = 11} &
 \end{aligned}$$

8. Solve for x:



$$\begin{aligned}
 3x - 12 &= 2x \\
 -3x \quad -3x & \\
 \hline
 -12 &= -x \\
 -1 \quad -1 & \\
 \hline
 \boxed{x = 12} &
 \end{aligned}$$

10. Solve for angle A:



$$\begin{aligned}
 4x &= 6x - 36 \\
 -6x \quad -6x & \\
 \hline
 -2x &= -36 \\
 -2 \quad -2 & \\
 \hline
 x &= 18
 \end{aligned}$$

$$4(18) = 72^\circ$$

$$\boxed{\angle A = 36^\circ}$$