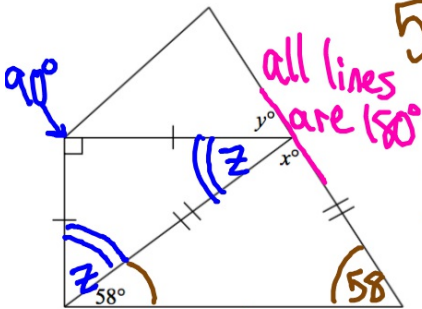


Example 3: Find the values of x and y.



$$58 + 58 + x = 180$$

$$116 + x = 180$$

$$\begin{array}{r} -116 \quad -116 \\ \hline x = 64 \end{array}$$

$$x + y + z = 180$$

$$64 + y + 45 = 180$$

$$\begin{array}{r} 109 + y = 180 \\ -109 \quad -109 \\ \hline y = 71 \end{array}$$

$$90 + z + z = 180$$

$$90 + 2z = 180$$

$$\begin{array}{r} -90 \quad -90 \\ \hline 2z = 90 \\ \frac{2z}{2} = \frac{90}{2} \\ z = 45 \end{array}$$

Summary:

If  then 

Equilateral:  If  then 

If  then . If  then 