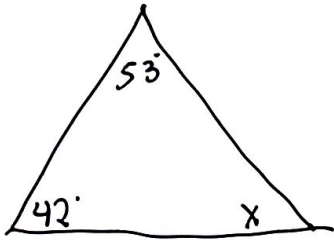


## ## Prac 2-2 ##

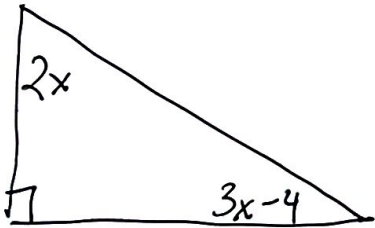
Triangle Sum Theorem: All 3 angles in a Triangle ALWAYS add to be  $180^\circ$

Ex:



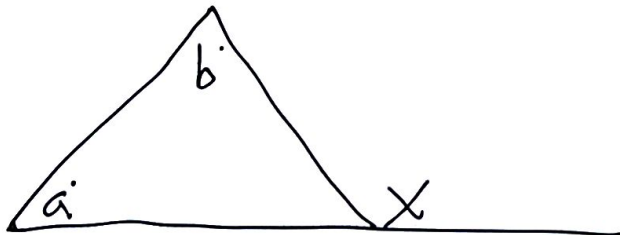
$$\begin{array}{r} 42 + 53 + x = 180 \\ 95 + x = 180 \\ \underline{-95} \quad \underline{-95} \\ x = 85 \end{array}$$

Ex



$$\begin{array}{r} 2x + 90 + 3x - 4 = 180 \\ 5x + 86 = 180 \\ \underline{-86} \quad \underline{-86} \\ 5x = 94 \\ \underline{\quad} \quad \underline{\quad} \\ x = 18.8 \end{array}$$

Exterior Angle Theorem



$$\angle a + \angle b = \angle x$$