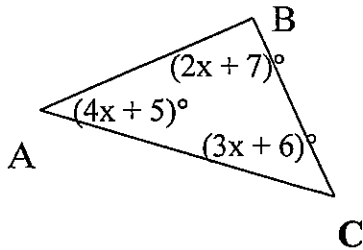


Do Now

1) Find the value of x.

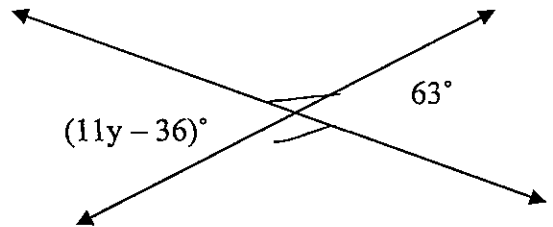


$$4x + 5 + 2x + 7 + 3x + 6 = 180$$

D
C
M
S

$$\begin{array}{r} 9x + 18 = 180 \\ \underline{-18 \quad -18} \\ 9x = 162 \\ \underline{\quad \quad \quad 9 \quad \quad 9} \\ x = 18 \end{array}$$

2) Find the value of y in the diagram shown.



D
C
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$$\begin{array}{r} 11y - 36 = 63 \\ \underline{+36 \quad +36} \\ 11y = 99 \\ \underline{\quad \quad \quad 11 \quad \quad 11} \\ y = 9 \end{array}$$

3) Solve the following for x:

$$2.5x + 3.2 = 1.2x + 9.7$$

$$\begin{array}{r} -1.2x \quad +1.2x \\ \hline \end{array}$$

D
C
M
S

$$\begin{array}{r} 1.3x + 3.2 = 9.7 \\ \underline{-3.2 \quad -3.2} \\ 1.3x = 6.5 \\ \underline{\quad \quad \quad 1.3 \quad \quad 1.3} \\ x = 5 \end{array}$$

4) Solve the following for x:

$$\frac{4}{5}(x + 15) = 72$$

D
C
M
S

$$\begin{array}{r} \frac{4}{5}x + 12 = 72 \\ \underline{-12 \quad -12} \\ \left(\frac{5}{4}\right) \frac{4}{5}x = 60 \left(\frac{5}{4}\right) \\ x = 75 \end{array}$$