

Name _____

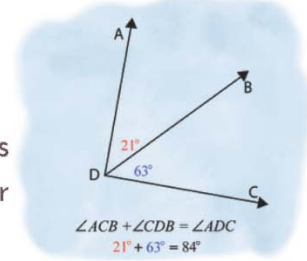
Name :

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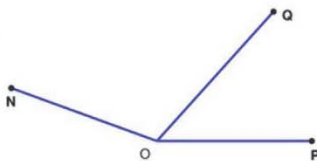
Angle Postulate

The sum of two adjacent angle measures will be equal to the measure of the larger angle they form.



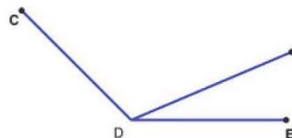
Find the missing angle measurement using the angle addition postulate

1)



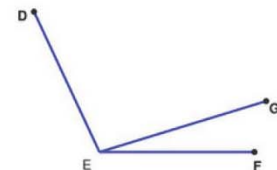
$$\begin{aligned} \angle NOQ &= \underline{112^\circ} \\ \angle QOP &= \underline{48^\circ} \\ \angle NOP &= \underline{160^\circ} \end{aligned}$$

2)



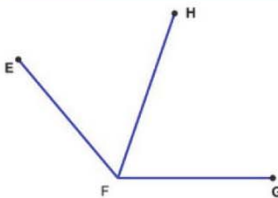
$$\begin{aligned} \angle CDF &= \underline{112^\circ} \\ \angle FDE &= \underline{23^\circ} \\ \angle CDE &= \underline{135^\circ} \end{aligned}$$

3)



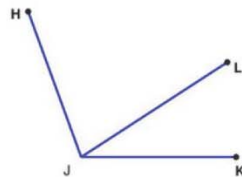
$$\begin{aligned} \angle DEG &= \underline{98^\circ} \\ \angle GEF &= \underline{17^\circ} \\ \angle DEF &= \underline{115^\circ} \end{aligned}$$

4)



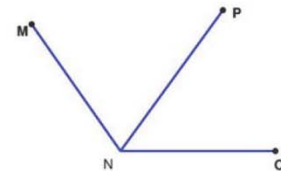
$$\begin{aligned} \angle EFH &= \underline{59^\circ} \\ \angle HFG &= \underline{71^\circ} \\ \angle EFG &= \underline{130^\circ} \end{aligned}$$

5)



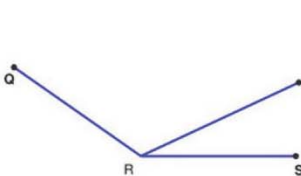
$$\begin{aligned} \angle HJL &= \underline{77^\circ} \\ \angle LJK &= \underline{33^\circ} \\ \angle HJK &= \underline{110^\circ} \end{aligned}$$

6)



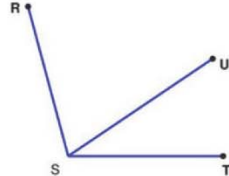
$$\begin{aligned} \angle MNP &= \underline{71^\circ} \\ \angle PNO &= \underline{54^\circ} \\ \angle MNO &= \underline{125^\circ} \end{aligned}$$

7)



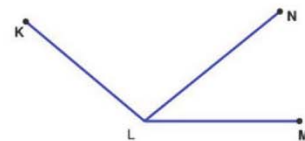
$$\begin{aligned} \angle QRT &= \underline{120^\circ} \\ \angle TRS &= \underline{25^\circ} \\ \angle QRS &= \underline{145^\circ} \end{aligned}$$

8)



$$\begin{aligned} \angle RSU &= \underline{71^\circ} \\ \angle UST &= \underline{34^\circ} \\ \angle RST &= \underline{105^\circ} \end{aligned}$$

9)



$$\begin{aligned} \angle KLN &= \underline{101^\circ} \\ \angle NLM &= \underline{39^\circ} \\ \angle KLM &= \underline{140^\circ} \end{aligned}$$