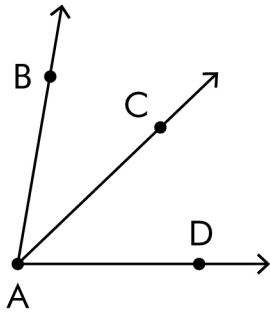


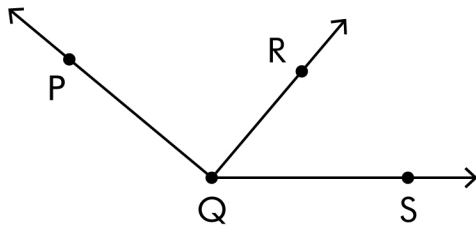
Angle Addition Postulate

1) If $m\angle DAC = 40^\circ$ and $m\angle CAB = 38^\circ$, find $m\angle DAB$.



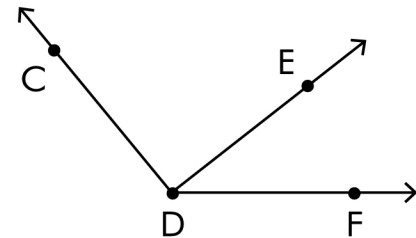
$$m\angle DAB = \underline{\hspace{2cm}}$$

2) If $m\angle RQS = 40^\circ$, and $m\angle PQR = 90^\circ$, find $m\angle PQS$



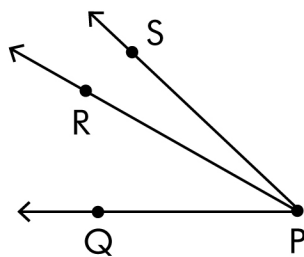
$$m\angle PQS = \underline{\hspace{2cm}}$$

3) If $m\angle CDF = 125^\circ$, $m\angle CDE = 5x + 9$, $m\angle EDF = 3x + 4$, find $m\angle EDF$.



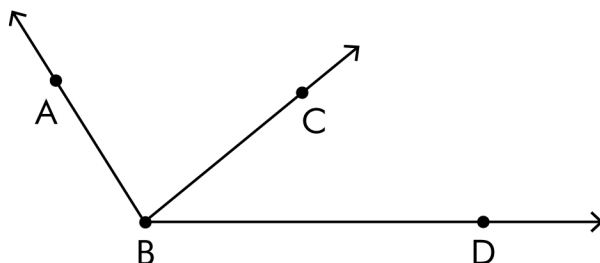
$$m\angle EDF = \underline{\hspace{2cm}}$$

4) If $m\angle QPR = 27^\circ$, and $m\angle QPS = 39^\circ$, find $m\angle RPS$.



$$m\angle RPS = \underline{\hspace{2cm}}$$

5) If $m\angle ABD = 115^\circ$, $m\angle ABC = 3x$, find $\angle CBD = 2x - 5$, find $m\angle CBD$ and $m\angle ABC$.



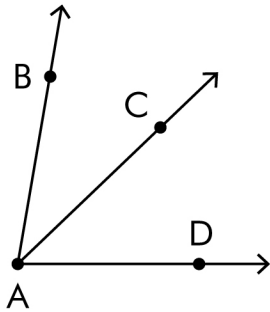
$$m\angle CBD = \underline{\hspace{2cm}}$$

$$m\angle ABC = \underline{\hspace{2cm}}$$

Angle Addition Postulate

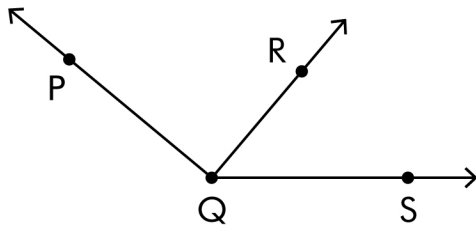
Answers

1) If $m\angle DAC = 40^\circ$ and $m\angle CAB = 38^\circ$, find $m\angle DAB$.



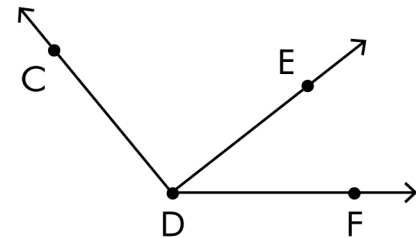
$$m\angle DAB = \underline{78^\circ}$$

2) If $m\angle RQS = 40^\circ$, and $m\angle PQR = 90^\circ$, find $m\angle PQS$



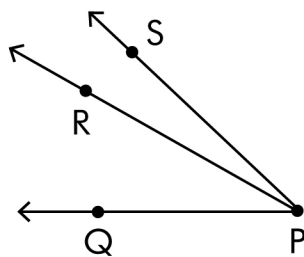
$$m\angle PQS = \underline{130^\circ}$$

3) If $m\angle CDF = 125^\circ$, $m\angle CDE = 5x + 9$, $m\angle EDF = 3x + 4$, find $m\angle EDF$.



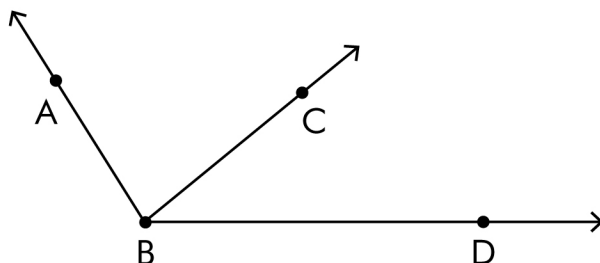
$$m\angle EDF = \underline{46^\circ}$$

4) If $m\angle QPR = 27^\circ$, and $m\angle QPS = 39^\circ$, find $m\angle RPS$.



$$m\angle RPS = \underline{12^\circ}$$

5) If $m\angle ABD = 115^\circ$, $m\angle ABC = 3x$, find $\angle CBD = 2x - 5$, find $m\angle CBD$ and $m\angle ABC$.



$$m\angle CBD = \underline{43^\circ}$$

$$m\angle ABC = \underline{72^\circ}$$