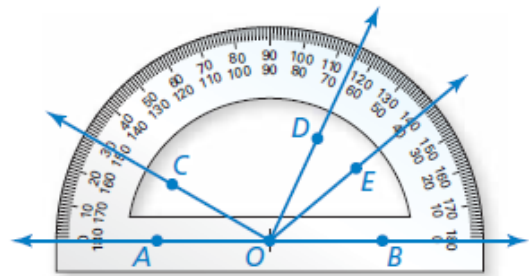


Angle Measures and Angle Bisectors

Practice and Problem Solving: A/B

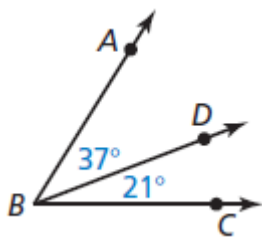
In Exercises 1 – 4, find the angle measure. Then classify the angle as acute, obtuse, right, or straight.

- $m\angle AOC$
- $m\angle BOD$
- $m\angle COD$
- $m\angle EOD$

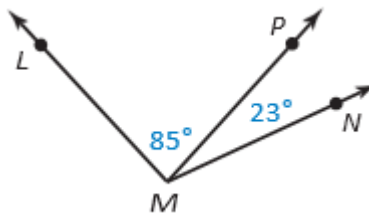


In Exercises 5 – 8, find the indicated angle measure.

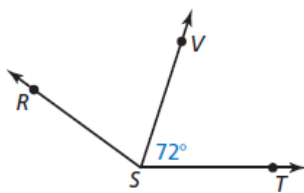
5. Find $m\angle ABC$



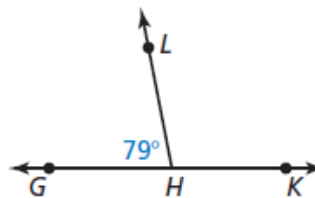
6. Find $m\angle LMN$



7. $m\angle RST = 114^\circ$. Find $m\angle RSV$.

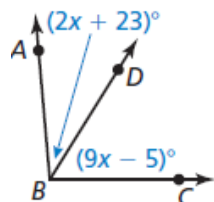


8. $\angle GHK$ is a straight angle. Find $m\angle LHK$

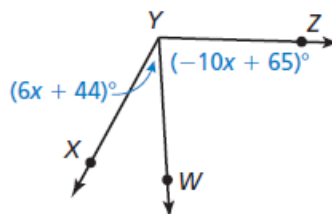


In Exercises 9 – 14, find the indicated angle measures.

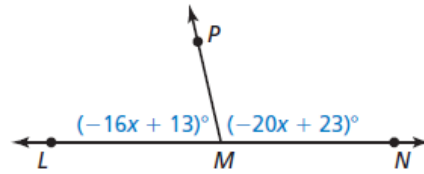
9. $m\angle ABC = 95^\circ$. Find $m\angle ABD$ and $m\angle DBC$.



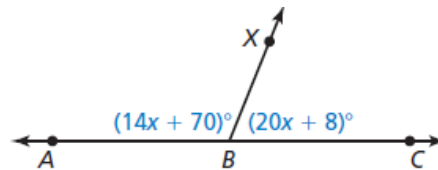
10. $m\angle XYZ = 117^\circ$. Find $m\angle XYW$ and $m\angle WYZ$.



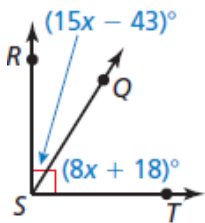
11. $\angle LMN$ is a straight angle. Find $m\angle LMP$ and $m\angle NMP$.



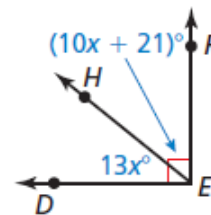
12. $\angle ABC$ is a straight angle. Find $m\angle ABX$ and $m\angle CBX$.



13. Find $m\angle RSQ$ and $m\angle TSQ$.

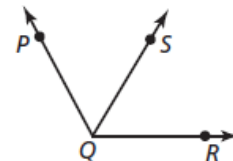


14. Find $m\angle DEH$ and $m\angle FEH$.



In Exercises 15 – 18, \overline{QS} bisects $\angle PQR$. Use the diagram and the given angle measure to find the indicated angle measures.

15. $m\angle PQS = 63^\circ$. Find $m\angle RQS$ and $m\angle PQR$.



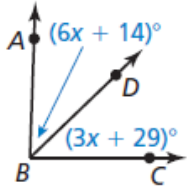
16. $m\angle RQS = 71^\circ$. Find $m\angle PQS$ and $m\angle PQR$.

17. $m\angle PQR = 124^\circ$. Find $m\angle PQS$ and $m\angle RQS$.

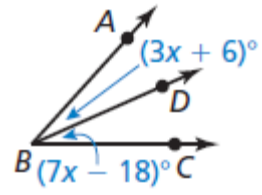
18. $m\angle PQR = 119^\circ$. Find $m\angle PQS$ and $m\angle RQS$.

In Exercises 19–22, \overline{BD} bisects $\angle ABC$. Find $m\angle ABD$, $m\angle CBD$, and $m\angle ABC$.

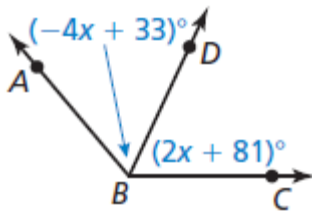
19.



20.



21.



22.

