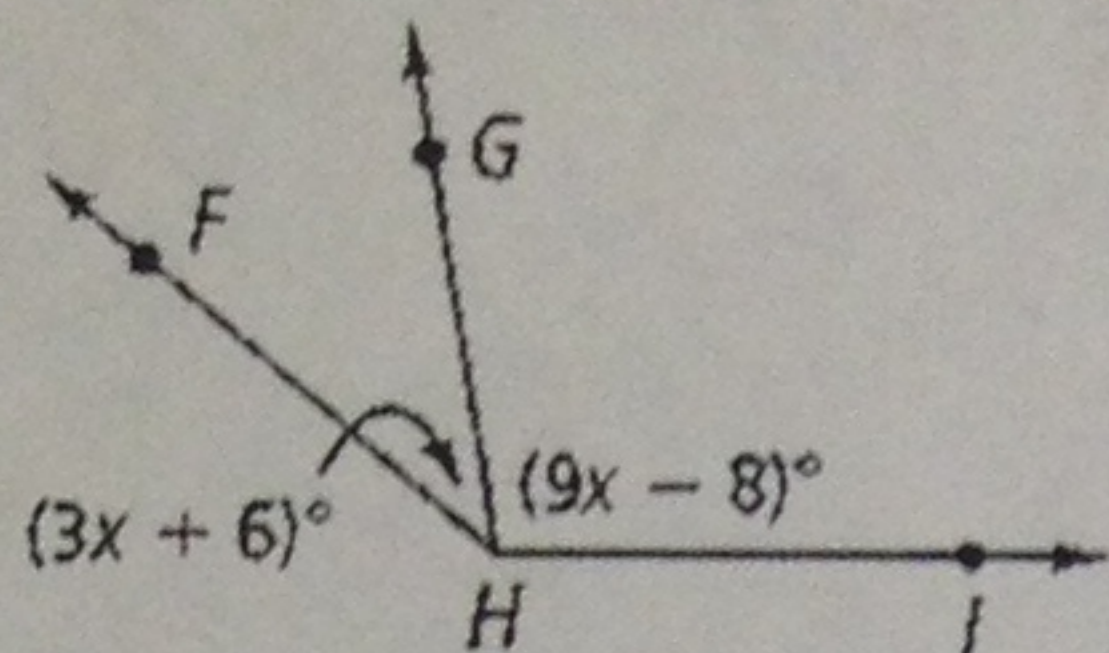
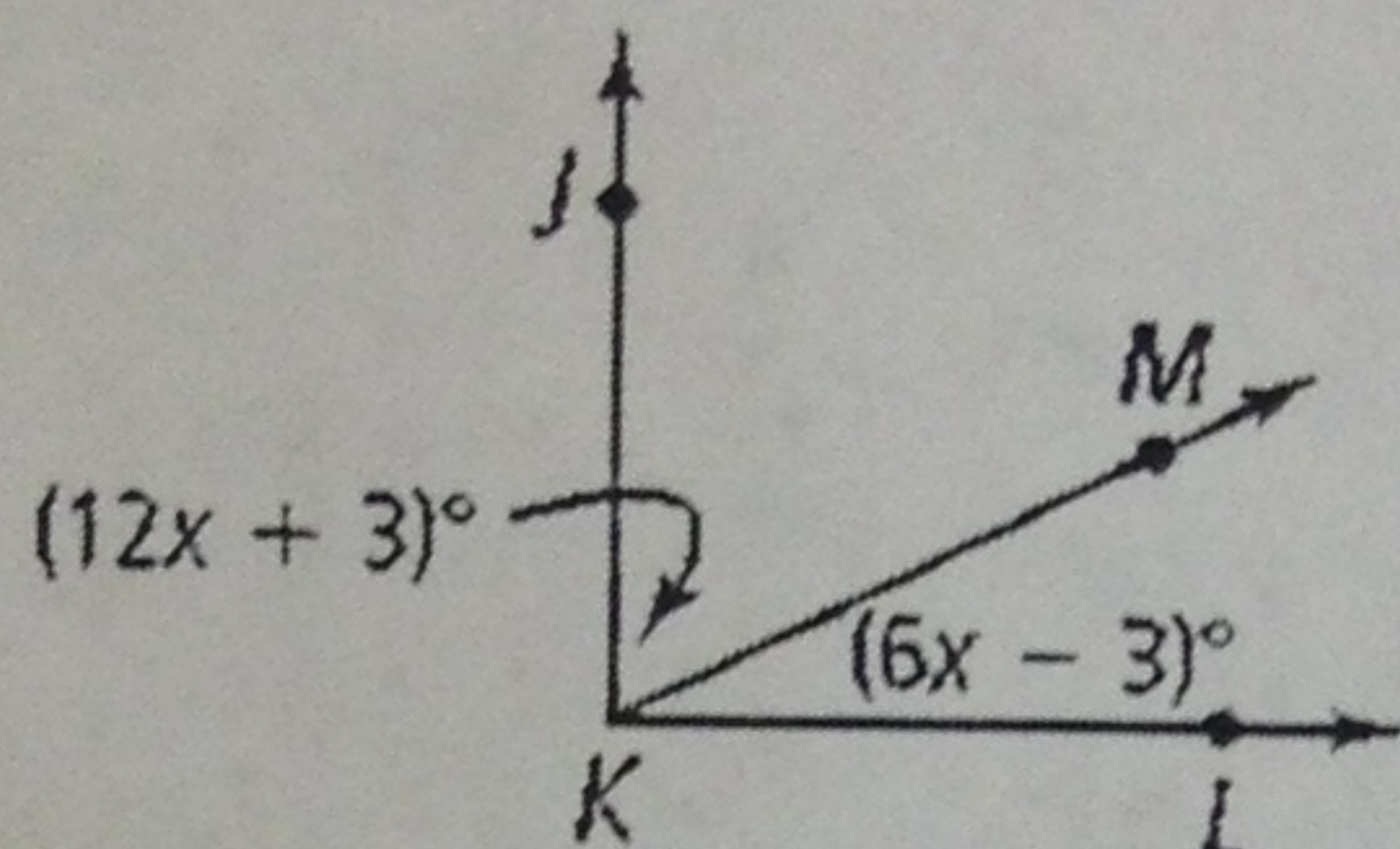


Angles and Angle Addition

17. If $m\angle FHI = 142$, what are $m\angle FHG$ and $m\angle GHI$?



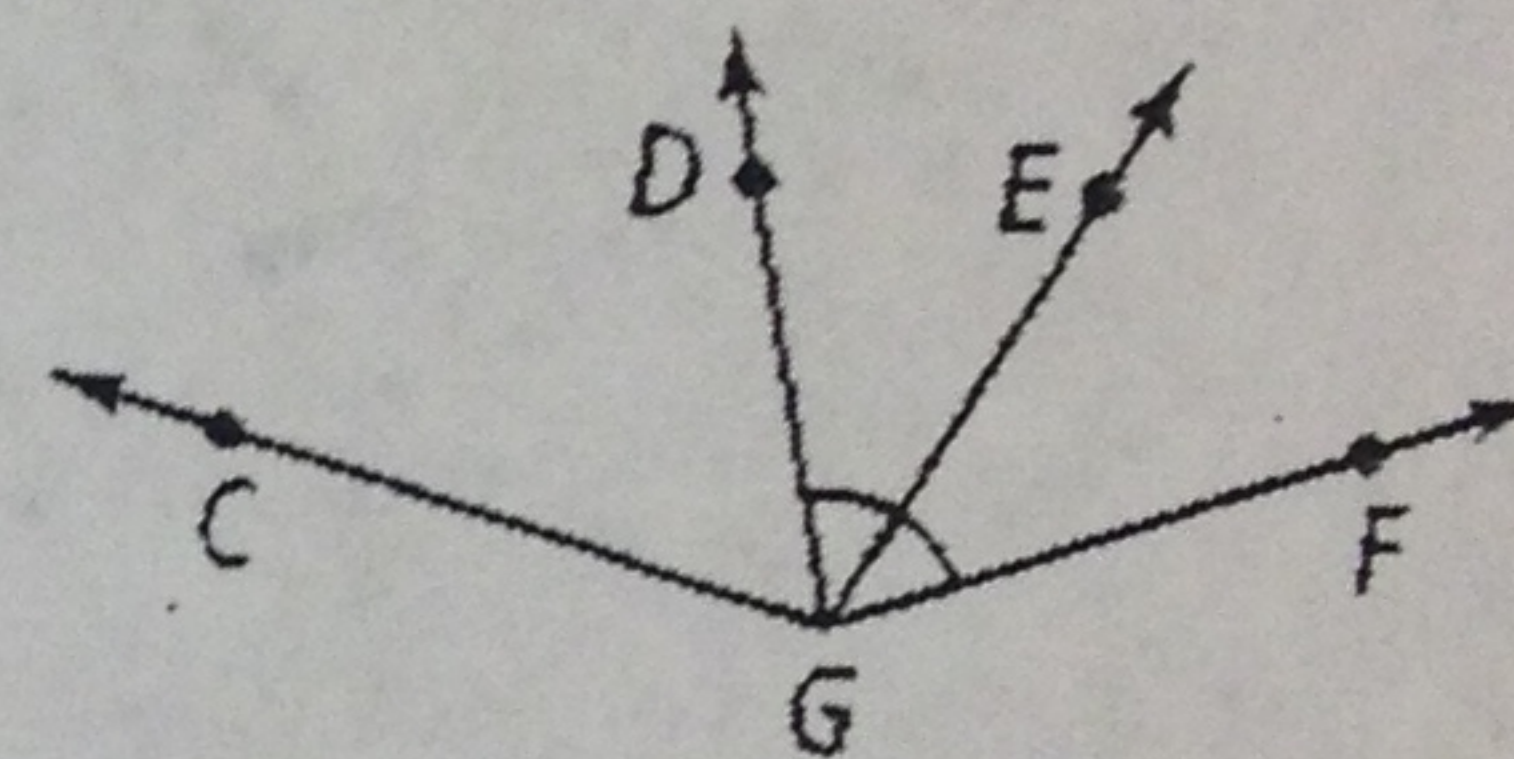
18. $\angle JKL$ is a right angle. What are $m\angle JKM$ and $m\angle MKL$?



Algebra Use the diagram at the right for Exercises 10 and 11. Solve for x .

19. $m\angle CGD = 4x + 2$, $m\angle DGE = 3x - 5$, $m\angle EGF = 2x + 10$

20. $m\angle CGD = 2x - 2$, $m\angle EGF = 37$, $m\angle CGF = 7x + 2$

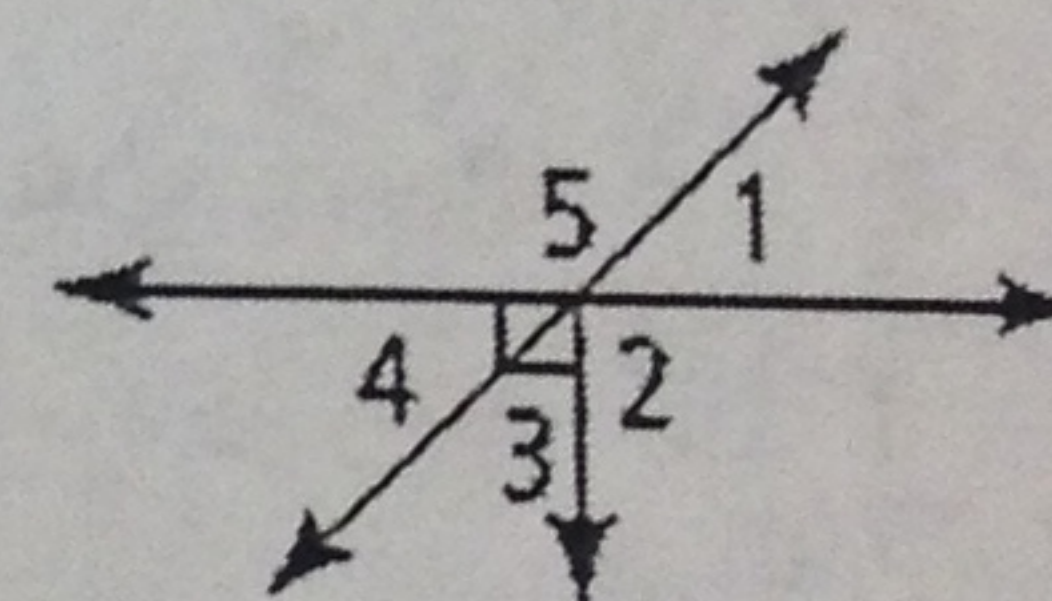


Use the diagram at the right. Is each statement true? Explain.

21. $\angle 2$ and $\angle 5$ are adjacent angles.

22. $\angle 1$ and $\angle 4$ are vertical angles.

23. $\angle 4$ and $\angle 5$ are complementary.



Name an angle or angles in the diagram described by each of the following.

24. complementary to $\angle BOC$

25. supplementary to $\angle DOB$

26. adjacent and supplementary to $\angle AOC$

