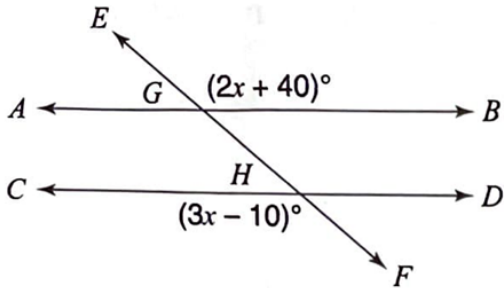
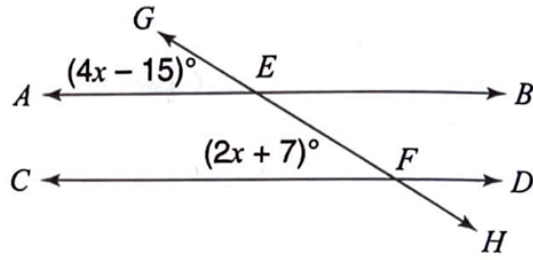


Geometry #11: Angles Formed by Parallel Lines
Exit Slip

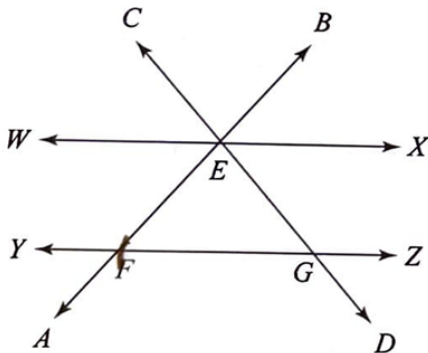


Exercise 6

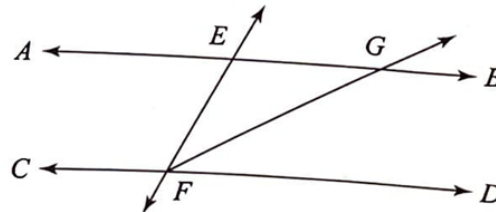


Exercise 7

- In the accompanying diagram, transversal \overline{EF} intersects parallel lines \overline{AB} and \overline{CD} at G and H , respectively. If $m\angle EGB = 2x + 40$ and $m\angle FHC = 3x - 10$, what is the measure of $\angle DHE$?
- In the accompanying diagram, $\overline{AB} \parallel \overline{CD}$, $m\angle AEG = 4x - 15$, and $m\angle CFE = 2x + 7$. What is the measure of $\angle BEF$?
- In the accompanying diagram, $\overline{WX} \parallel \overline{YZ}$; \overline{AB} and \overline{CD} intersect \overline{WX} at E and \overline{YZ} at F and G , respectively. If $m\angle CEW = m\angle BEX = 50$, find $m\angle EGF$.



Exercise 8



Exercise 9

- In the accompanying diagram, $\overline{AB} \parallel \overline{CD}$ and \overline{FG} bisects $\angle EFD$. If $m\angle EFG = x$ and $m\angle FEG = 4x$, find $m\angle EGF$.