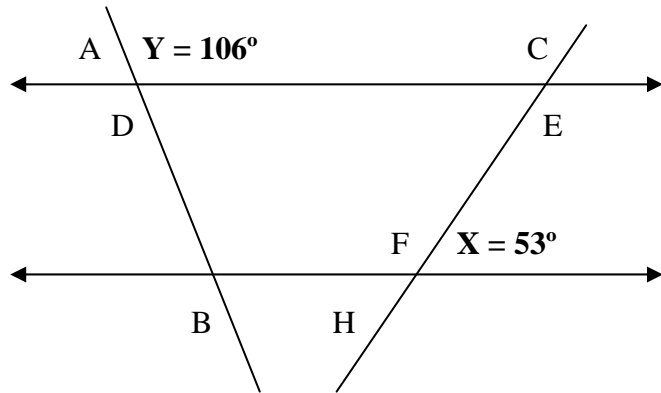


Angle Relationships

The two horizontal lines in the diagram below (not drawn to scale) are parallel. Use **angle relationships** to determine the degree measure of each lettered angle given below, and state the relationship that led to your answer.

[ex] $\angle H = 53^\circ$, since it is vertical to $\angle X$, which is 53° .

- [1] $\angle A$
- [2] $\angle B$
- [3] $\angle C$
- [4] $\angle D$
- [5] $\angle E$
- [6] $\angle F$



For each diagram below (not drawn to scale), state the given angle relationship and write an algebraic equation to determine the value of the variable x . Show all work to solve this equation in the proper format.

