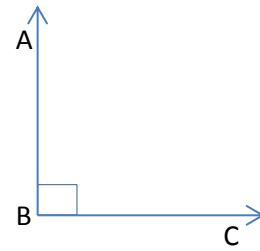


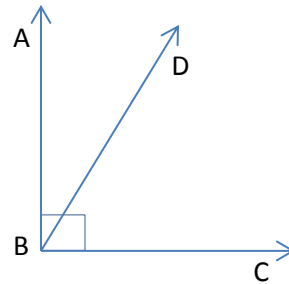
Name: _____

Date: _____

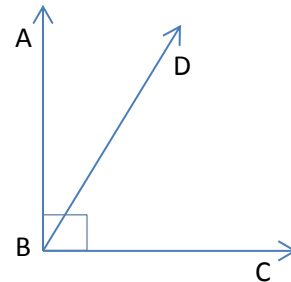
What do you know about $\angle ABC$?



What do you know about $\angle ABD + \angle DBC$?

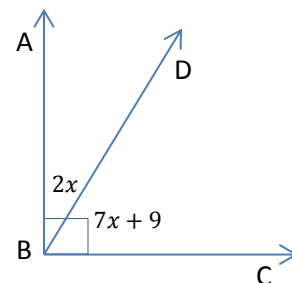


What is the measure of $\angle ABD$ if $\angle DBC = 65^\circ$?



Write an equation to show that the sum of the two angles = 90°

Solve the equation to find the value of x .

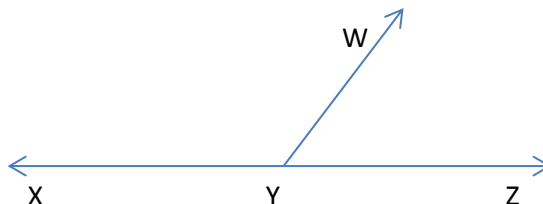


Use the value of x to find the angle measurements.

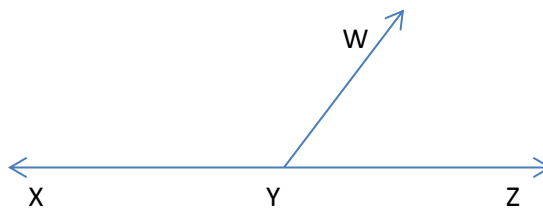
What do you know about $\angle XYZ$?



What do you know about $\angle XYW + \angle WYZ$?

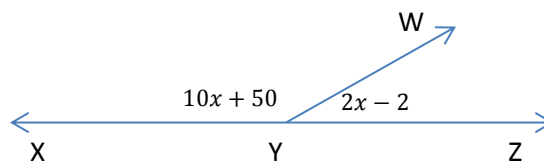


What is the measure of $\angle XYW$ if $\angle WYZ = 76^\circ$?



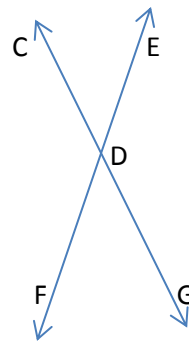
Write an equation to show that the sum of the two angles = 180°

Solve the equation to find the value of x .



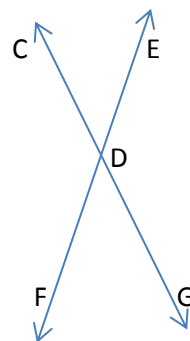
Use the value of x to find the angle measurements.

What do you know about $\angle CDE$ and $\angle FDG$?

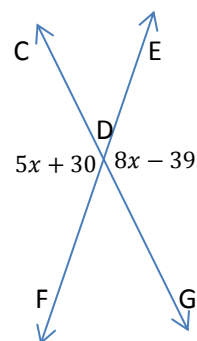


What do you know about $\angle CDF$ and $\angle EDG$?

What is the measure of $\angle CDE$ if $\angle FDG = 52^\circ$?



Write an equation to show that $\angle CDF$ and $\angle EDG$ are equal in measure.



Solve the equation to find the value of x .

Use the value of x to find the measure of $\angle CDF$.