

Knowing All the Angles

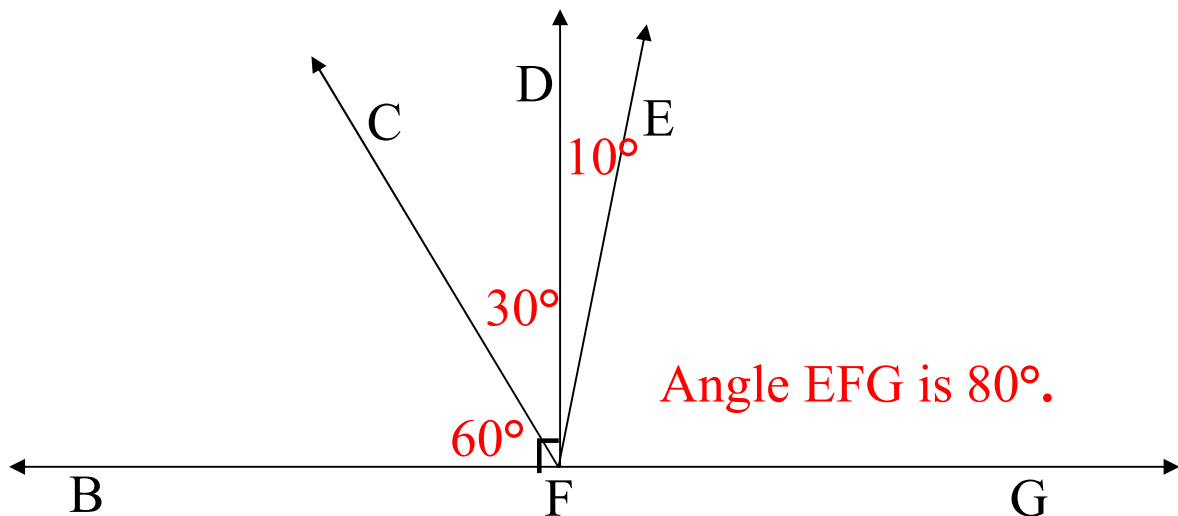
The following statements about the diagram below are true:

Angle BFG is a straight angle.

The measure of angle BFC = 60° .

Angle BFD is a right angle. (So CFD is 30° .)

The measure of angle CFE = 40° . (So DFE is 10° .)



What is the measure of angle EFG?

[Source: *GED OPT*]

We can subtract angle BFE, which totals 100° , from the straight angle, 180° .

Or...

Since Angle DFG must be a right angle, we can subtract 10° from 90° (DFG – DFE).