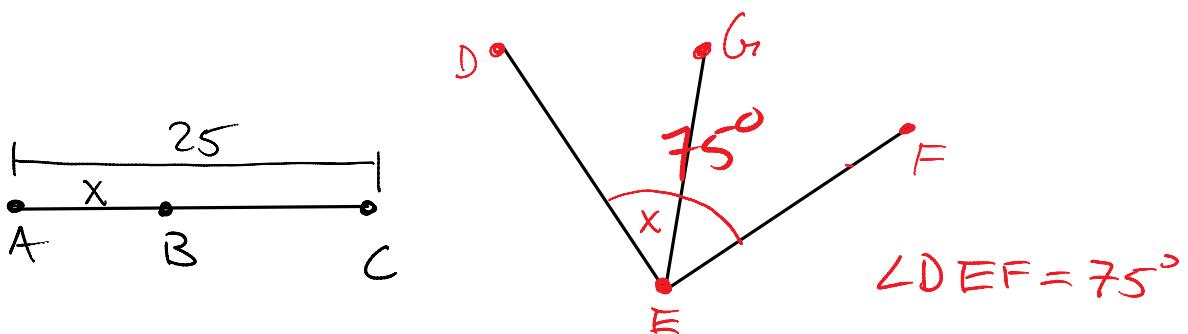


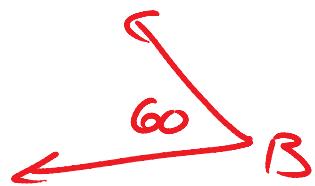
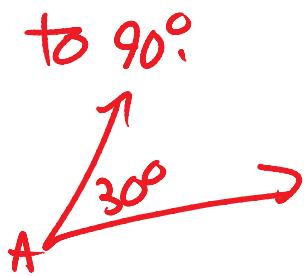
2.2 Notes: Complementary & Supplementary.

$$\overline{BC} = 25 - x$$

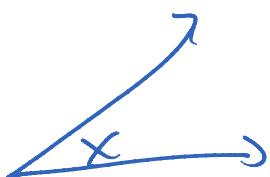
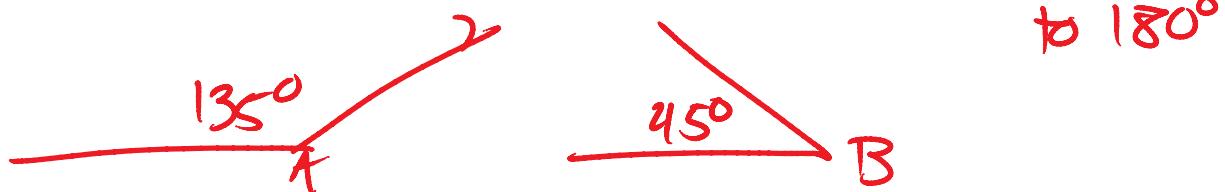
$$\angle GEF = 75 - x$$

Definitions

Complementary: If 2 angles are comp, Then They add to 90°



Supplementary: If 2 angles are supp, Then They add to 180°



$$\text{angle} = x$$

$$\text{Complement} = 90 - x$$

$$\text{Supplement} = 180 - x$$

$$90 - x$$

The sum of an angle x and its complement is equal to,

The sum of an angle and its complement is equal to three times the angle. what is the supplement of the x ?

$$x + (90 - x) = 3x$$

$$90 = 3x$$

$$30 = x$$

$$180 - 30 = \textcircled{150^\circ}$$