

Exercise 2015-8 EL-00002(1)

(1) (a) Draw line $MN = 8 \text{ cm}$.

(b) Construct CN with $\widehat{MNC} = 90^\circ$.

(c) Construct $DC \parallel MN$ with $DC = 7 \text{ cm}$.

(2) (a) Draw line $BC = 10 \text{ cm}$.

(b) Make a point anywhere about 5 cm above BC . Label the point as K .

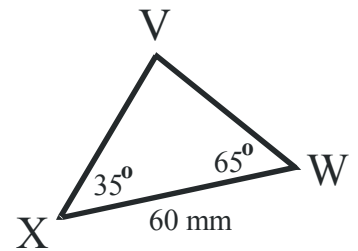
(c) Construct KL with $KL \perp BC$ and with L a point on BC .

(3) (a) Construct the following triangle, with dimensions as indicated:

(b) Measure the lengths of VX and VW .

(c) Measure $\widehat{XVW}$.

(d) What do you see regarding the sum of all three
the interior angles of $\triangle VWX$?



(4) (a) Construct a circle with radius 4 cm .

(b) Draw diameter AB , anywhere through midpoint O .

(c) Construct $\widehat{BAC} = 30^\circ$ with C a point on the circumference of the circle.

(d) Join C and B .

(e) Measure $\widehat{ACB}$.