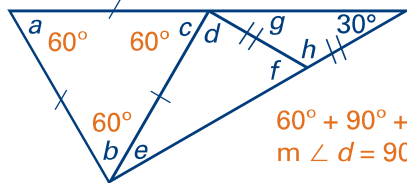


Déductions – Corrigé

- Détermine le supplément d'un angle de 40° . $180^\circ - 40^\circ = 140^\circ$
 - Détermine le complément d'un angle de 75° . $90^\circ - 75^\circ = 15^\circ$
- Détermine, sans utiliser de rapporteur, la mesure des angles indiqués par une lettre. Justifie tes réponses.

a)



$$60^\circ + 90^\circ + 30^\circ = 180^\circ$$

$$m \angle d = 90^\circ$$

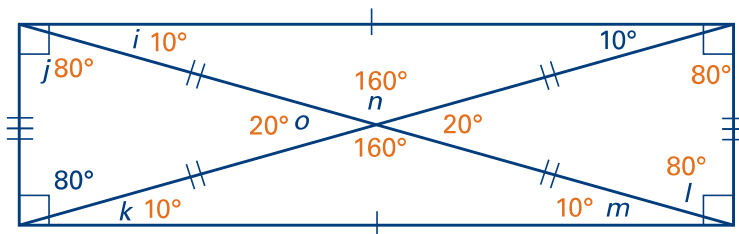
$$m \angle g = 30^\circ \quad 30^\circ + 30^\circ + 120^\circ = 180^\circ$$

$$m \angle h = 120^\circ \quad 180^\circ - 120^\circ = 60^\circ$$

$$m \angle f = 60^\circ$$

$$90^\circ + 60^\circ + 30^\circ = 180^\circ \rightarrow m \angle e = 30^\circ$$

b)

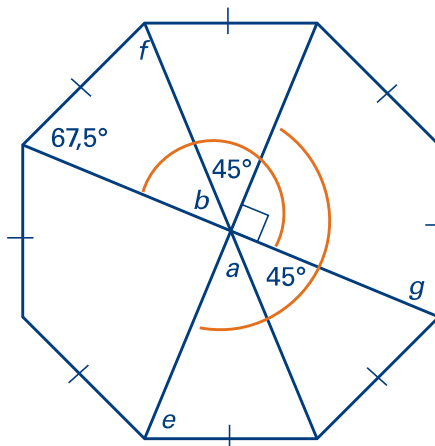


c)

$$67,5^\circ + 45^\circ = 112,5^\circ$$

$$180^\circ - 112,5^\circ = 67,5^\circ$$

$$m \angle f = 67,5^\circ$$



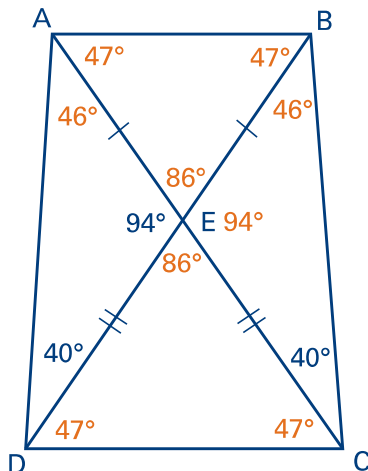
$$m \angle b = 45^\circ$$

$$m \angle a = 45^\circ$$

$$m \angle f = m \angle e = m \angle g$$

$$m \angle f = 67,5^\circ$$

d)



$$m \angle EAB = 47^\circ$$

$$m \angle ECD = 47^\circ$$

$$m \angle ABE = 47^\circ$$

$$m \angle CDE = 47^\circ$$

$$m \angle BEA = 86^\circ$$

$$m \angle CED = 86^\circ$$

$$m \angle EBC = 46^\circ$$

$$m \angle EDA = 40^\circ$$

$$m \angle BCE = 40^\circ$$

$$m \angle DAE = 46^\circ$$

$$m \angle CEB = 94^\circ$$

$$m \angle AED = 94^\circ$$