

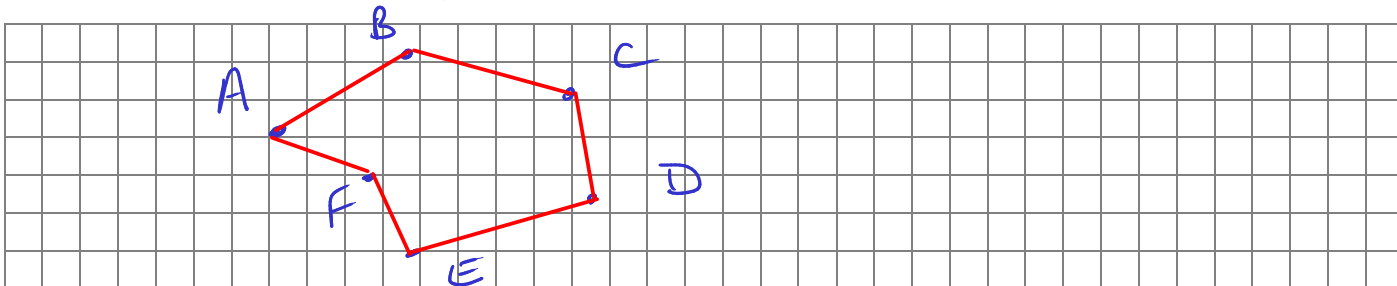
Polygones

I] Généralités sur les polygones

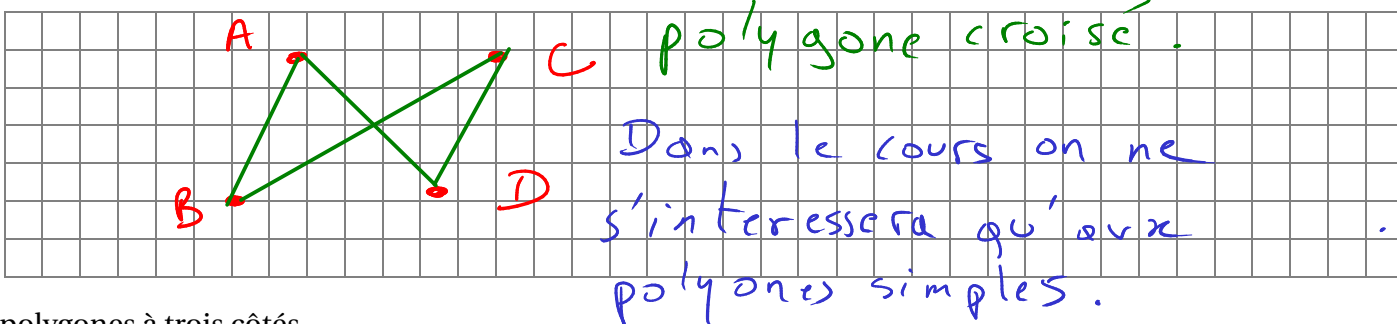
1. Définition (wikipédia)

Un polygone est constitué :

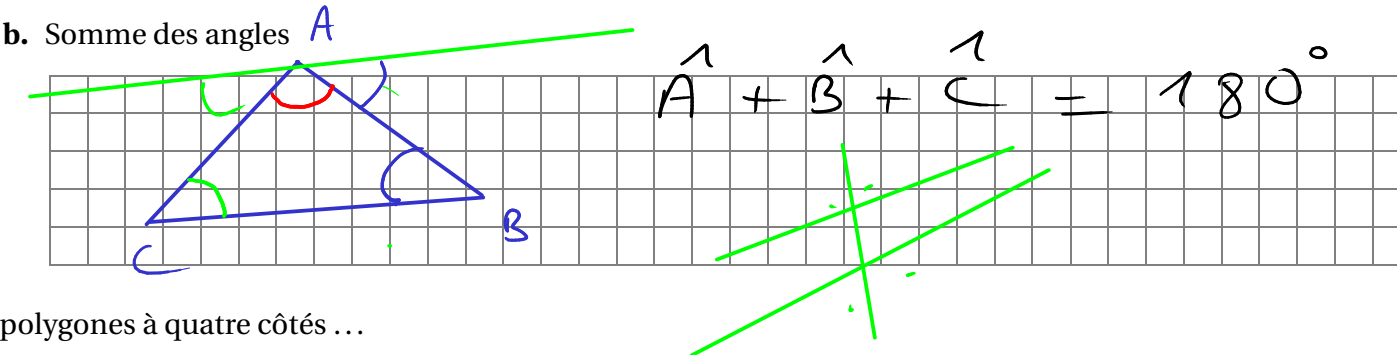
- d'une suite finie de points du plan appelés sommets;
- des segments reliant les couples de sommets consécutifs ainsi que d'un segment reliant le premier et le dernier point, tous ces segments étant appelés côtés.



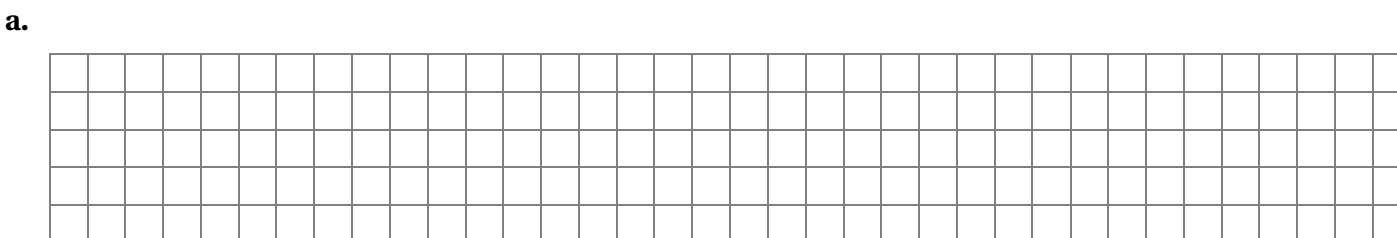
2. polygones simples et polygones croisés.



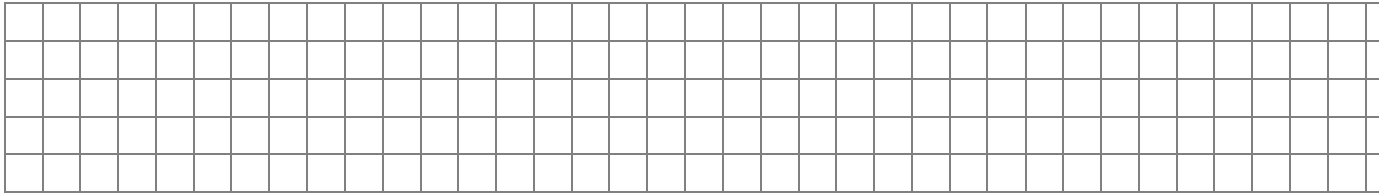
3. polygones à trois côtés ...



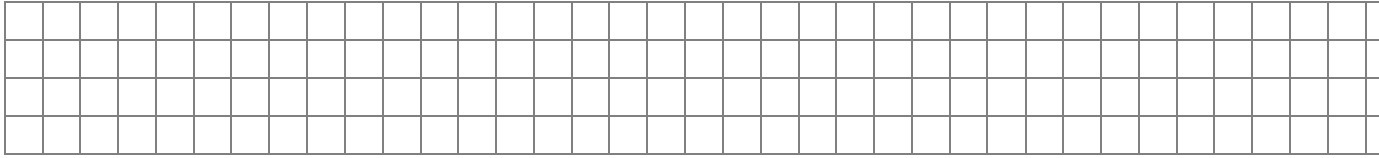
4. polygones à quatre côtés ...



b. Somme des angles

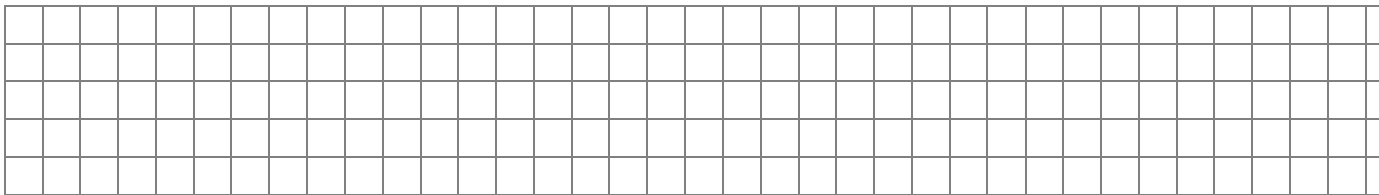


c. Diagonales

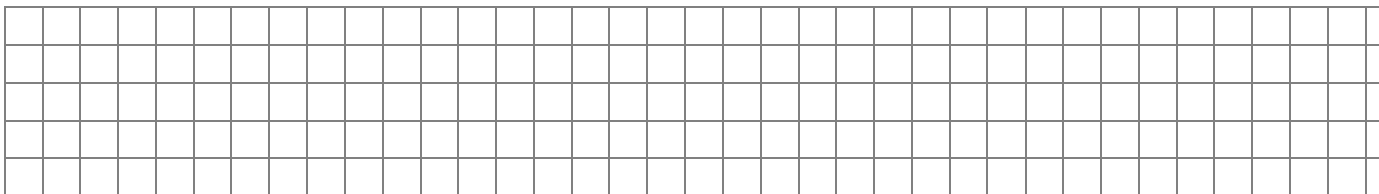


5. polygones à cinq côtés ...

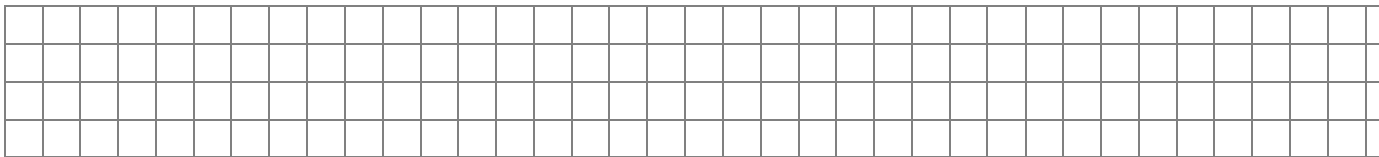
a.



b. Somme des angles

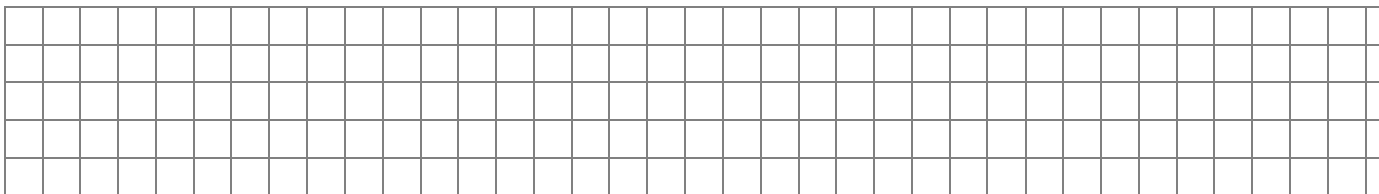


c. Diagonales

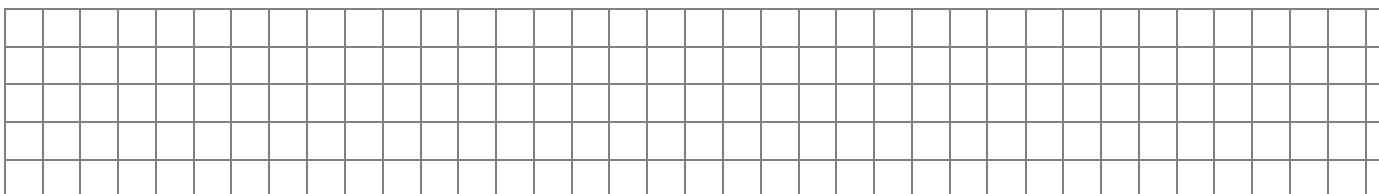


6. polygones à six côtés ...

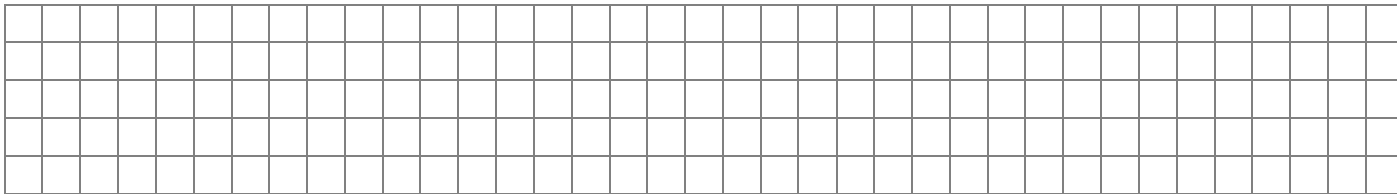
a.



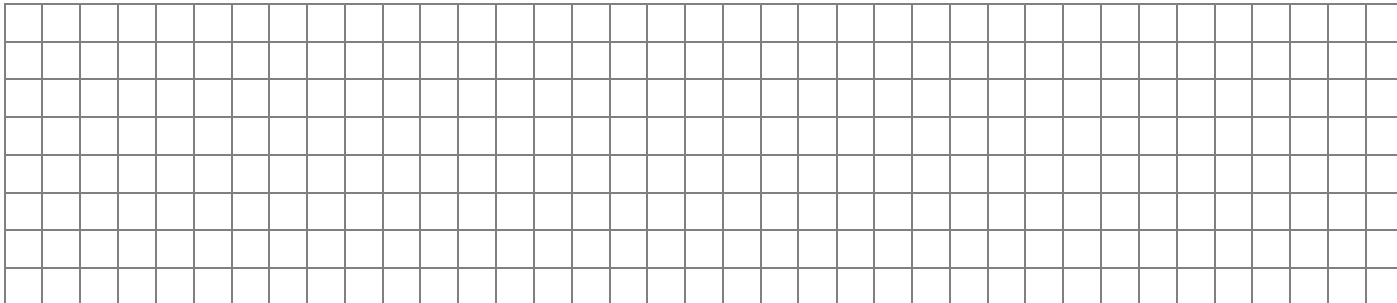
b. Somme des angles



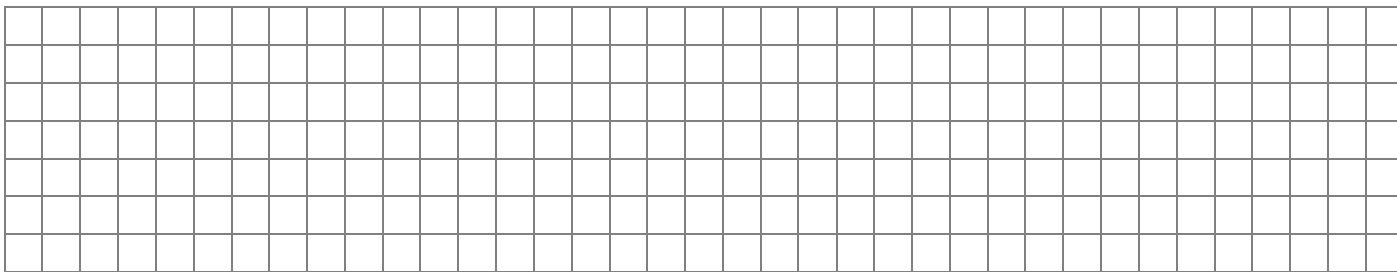
3. Cas du quadrilatère



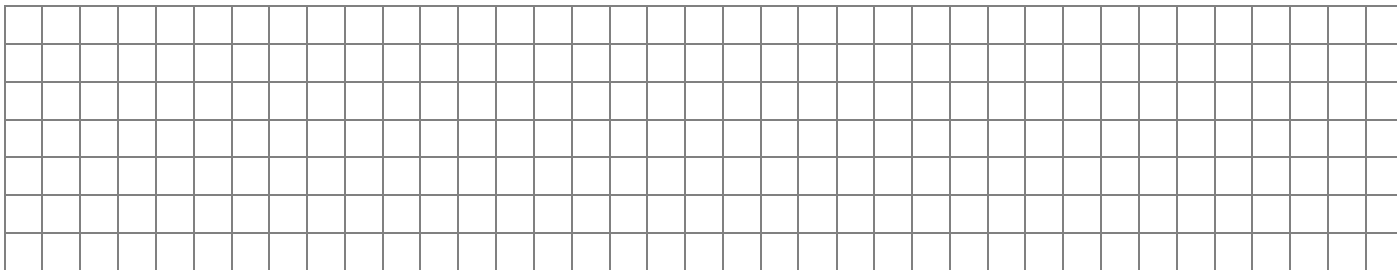
4. Hexagone régulier



5. Axes de symétrie



6. Centres de symétrie



7. Tracé «à la règle et au compas».