

# L'essentiel de la géométrie

## Notations

Droite passant par les points A et B	.....	
Demi-droite d'origine A passant par B	.....	
Segment d'extrémités A et B	.....	
Longueur du segment [AB]	.....	
Angle de sommet B	.....	

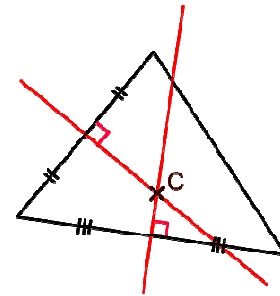
## Symboles

$A \in (d)$	.....
$B \notin (\Delta)$	.....
$(D) \perp (D')$	.....
$(EF) // (GH)$	.....

## Droites remarquables dans le triangle

	Sommet	Milieu du segment opposé	Perpendiculaire au segment opposé	Angle en deux parties égales
Hauteur				
Médiane				
Médiatrice				
Bissectrice				

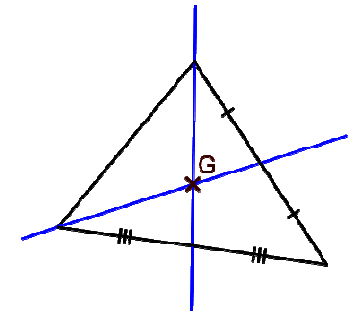
### Exemples :



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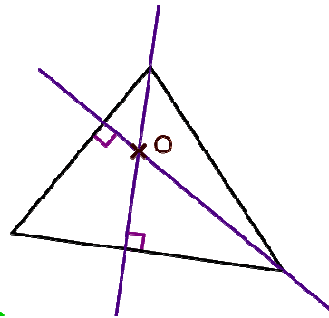
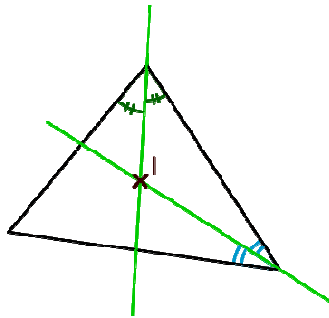
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**Triangle rectangle et cercle**

**Propriété 1 :** Si un triangle est rectangle alors il est .....

.....  
 .....

**Propriété 2 :** Si un triangle est rectangle alors la longueur de .....

.....  
 .....

**Exemple :**

On sait que .....

et que .....

Alors .....

.....  
 .....

**Théorème de Pythagore**

.....  
 .....

**Cosinus d'un angle aigu**

.....  
 .....

**Propriété de Thalès**

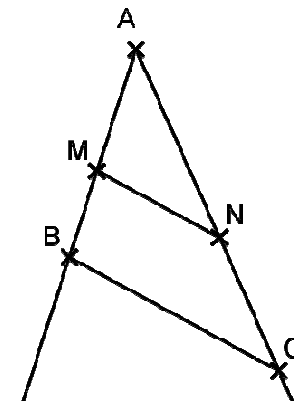
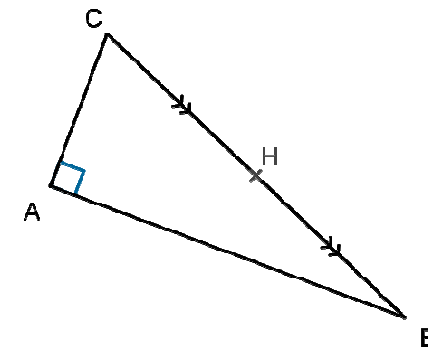
On sait que : - .....

- .....

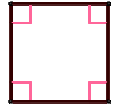


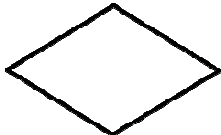

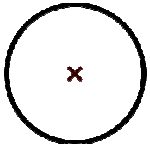
- .....

Alors .....

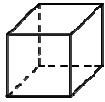
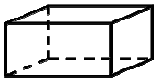
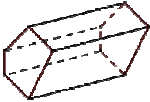
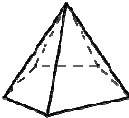
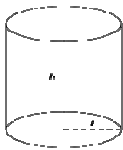
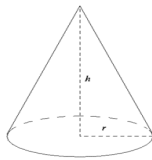
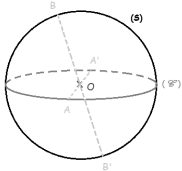
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## Figures planes

Nature	Figure	Périmètre	Aire
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.....		.....	.....
.....		.....	.....
.....		.....	.....
.....		.....	.....

## Solides

Nature	Solide	Aire latérale	Volume
.....		.....	.....
.....		.....	.....
.....		.....	.....
.....		.....	.....
.....		.....	.....
.....		.....	.....
.....		.....	.....