#### Ardoise

+WIDTH: int
+HEIGHT: int
+MIN\_X: int
+MAX\_X: int
+MIN\_Y: int
+MAX\_Y: int
+MAX\_Y: int
+STEP: int
+NB POINT: int

+Ardoise()
+ajouterForme() : void
+deplacer() : void
+dessinerGraphique() : void
+test() : void

#### Forme

+nomForme : String +typeForme : String

+Forme(): void +Forme(nomForme String): void +getNomForme(): String +setNomForme(): void -dessiner(): ArrayList<Segment> -deplacer(): void -typeForme(): String +toString(): String

### Segment

+pointDepart : PointPlan +pointArrivee : PointPlan

+deplacer(deplacementX int, deplacementY int): void +getPointArrivee(): PointPlan +getPointDepart(): PointPlan +setPointArrivee(pointArrivee PointPlan): void +setPointDepart(PointPlan pointDepart): void +toString(): String

#### PointPlan

+x : int +y : int

+PointPlan(x int, y int): void +deplacer(deplacementx int, deplacementy int): void +getAbscisse(): int +getOrdonnee(): int +setAbscisse(abscisse int): void +setOrdonnee(ordonnee int): void +toString(): String

## Triangles

+point1: PointPlan +point2: PointPlan +point3: PointPlan

+Triangles(): void
+Triangles(p1 PointPlan, p2
PointPlan, p3 PointPlan): void
+getPoint1(): PointPlan
+getPoint2(): PointPlan
+getPoint3(): PointPlan
+setPoint1(p PointPlan): void
+setPoint2(p PointPlan): void
+setPoint3(p PointPlan): void
+deplacer(x int, y int): void
+deplacer(x int, y int): void
+dessiner(): ArrayList<segment>
+getPoints():
ArrayList<PointPlan>
+typeForme(): String
+toString(): String

### Quadrilateres

+point1: PointPlan +point2: PointPlan +point3: PointPlan +point4: PointPlan

+Quadrilateres(): void
+Quadrilateres(p1 PointPlan, p2
PointPlan): void
+getPoint1(): PointPlan
+getPoint3(): PointPlan
+getPoint4(): PointPlan
+getPoint4(): PointPlan
+setPoint1(p PointPlan): void
+setPoint2(p PointPlan): void
+deplacer(x int, y int): void
+dessiner(): ArrayList<segment>
+typeForme(): String
+getPoints():
ArrayList<PointPlan>
+toString(): String

# Chapeaux

+point1: PointPlan +point2: PointPlan +point3: PointPlan

+Chapeaux(): void
+Chapeaux(p1 PointPlan, p2
PointPlan, p3 PointPlan): void
+getPoint1(): PointPlan
+getPoint3(): PointPlan
+getPoint3(): PointPlan
+setPoint1(p PointPlan): void
+setPoint2(p PointPlan): void
+setPoint3(p PointPlan): void
+deplacer(x int, y int): void
+deplacer(x int, y int): void
+dessiner(): ArrayList<segment>
+typeForme(): String
+getPoints():
ArrayList<PointPlan>
+toString(): String