**C9E1RectangleClass ----- UML Class Diagram**

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| **C9E1RectangleClass** |
| width: double  height: double  errorMessage: String |
| C9E1RectangleClass()  C9E1RectangleClass(\_width: double, \_height: double)  getWidth(): double  getHeight(): double  getErrorMessage(): String  toString(): String  equals(c: Object o): boolean  print()  setWidth(\_width: double)  setHeight(\_height: double)  isValidWidth(\_width: double): boolean  isValidHeight(\_height: double): boolean  getArea(): double  getPerimeter(): double |

**C9E11E12LinearAndIntersect ----- UML Class Diagram**

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| **C9E11E12LinearAndIntersect** |
| a: double  b: double  c: double  d: double  e: double  f: double |
| C9E11E12LinearAndIntersect()  C9E11E12LinearAndIntersect(\_a: double, \_b: double, \_c: double, \_d: double, \_e: double, \_f: double)  seta(\_a: double)  setb(\_b: double)  setc(\_c: double)  setd(\_d: double)  sete(\_e: double)  setf(\_f: double)  geta(\_a: double): double  getb(\_b: double) : double  getc(\_c: double) : double  getd(\_d: double) : double  gete(\_e: double) : double  getf(\_f: double) : double  print()  isSovable(): Boolean  getX(): double  getY(): double |