9.1

|  |
| --- |
| Rectangle |
| Height:double  Width:double  Area:double  Perimeter:double |
| +getArea(): height \* width  +getPerimeter(): height \* height + width \* width |

9.7

|  |
| --- |
| Account |
| Id  Balance  AnnualInterestRate  DateCreated |
| +getID(): return id  +getBalance() return balance  +getAnnualIntestsRate() return annualInterestRate  +setID() this.id = id  +setBalance(): this.balance = balance  +setAnnualInterestRate() this.annualInterestRate = annualInterestRate  +getDate(): return dateCreated  +getMonthlyInterestRate(): return annualInterestRate / 12  +withdraw(): balance = balance - amount  +deposit(): |

9.11

|  |
| --- |
| LinearEquation |
| A:double  B:double  C:double  D:double  E:double  F;double |
| +getA(): return a  +getB(): return b  +getC(): return c +getD(): return d +getE(): return e +getF(): return +isSolvable(): if(((a \* d) - (b \* c)) == 0)  return false;  else  return true;  +getX(): double numerator = ((e \* d) -(b \* f));  double denominator = ((a \* d) - (b \* c));  return numerator/denominator;  +getY(): double numerator = ((a \* f) -(e \* c));  double denominator = ((a \* d) - (b \* c));  return numerator/denominator; |