Homework Quiz 6.1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

public class School {

private int size;

public School (int size1) {

size = size1;

}

public void printInfo1() {

System.out.println(“School ”);

}

public int getSize() {

return size;

}

}// end School

public class ElemSchool extends School {

private int highGrade;

public ElemSchool(int howBig , int topGrade) {

super(howBig);

highGrade=topGrade;

}

public void printInfo2() {

System.out.println(“ElemSchool ”);

}

}//end ElemSchool

Write what gets printed from these calls from client code:

1. School s = new School(100);

s.printinfo1();

School s1 = new ElemSchool(1000,5);

s1.printInfo1();

s1.printInfo2();

2. What is printed from this client code:

ElemSchool s3 = new ElemSchool;

s3.printInfo1();

3. What reserved word makes ElemSchool a

subclass of School?

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3. Would this new method added to the

ElemSchool class compile and run ?

If not, Explain why not.

public void e2(int i) {

size = i;

}

4. Would this new method added to the ElemSchool

class compile and run? If not, Explain why not.

public void PrintData() {

System.out.println(getSize()+” students”);

System.out.println(highGrade+” is the higest grade”);

}

If we re-wrote the ElemSchool constructor as below. Why would it fail to compile?

public ElemSchool(int howBig, int topGrade) {

highGrade = topGrade;

super(howBig);

Why would this rewritten ElemSchool constructor fail to compile?

public ElemSchool(int topGrade) {

highGrade = topGrade;

}