Polymorphism

Peer Instruction 3

Which one of the following instantiations (with typecast) is incorrect?

Please select the single incorrect answer.

A. Employee e = new Person();
B. Employee e = new Employee();
C. Person p = new Employee();
D. Person p = new HourlyEmployee();
E. Person p = new SalariedEmployee();

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Which version of printPaycheck is called when the following code is executed?

Employee e = new HourlyEmployee(10.);
e.printPaycheck();

A. printPaycheck in Person
B. printPaycheck in Employee
C. printPaycheck in HourlyEmployee
D. printPaycheck in SalariedEmployee
E. Will not compile

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Which version of printPaycheck is called when the following code is executed?

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Person p = new Employee();
p.printPaycheck();
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A. printPaycheck in Person  
B. printPaycheck in Employee  
C. printPaycheck in HourlyEmployee
D. printPaycheck in SalariedEmployee
E. Will not compile