Name	Period	

Skill 24.1: Exercise 1						
The MyCar class below extends the Car class. For each line of code indicated with a letter $(A - E)$, indicate						
whether the statement is valid or invalid. If it is invalid, indicate why.						
public abstract class Car{		public class MyCar extends Car{				
		<pre>public static void main(String args[]){</pre>				
private int year = 2015;						
<pre>private String model = "Landcruiser";</pre>		Car newCar = Car();	(D)			
		}				
<pre>public abstract String getMake();</pre>	(A)	<pre>public String getMake(){</pre>				
		return "Toyota";	(E)			
<pre>public abstract int getYear(){</pre>		}				
return year;	(B)	}				
}						
public String model(){						
return model;	(C)					
}						
}						
(A)						
(B)						
(C)						
(C)						
(D)						
(E)						
Skill 24.2: Exercise 1						
(a) Declare an abstract class Insect. Then declare another class called Bee which inherits Insect, then write a						
main method.						

- (b) Declare a method in the Insect class called getLegs(), which returns the number of legs as an int.(c) Declare a Boolean abstract method in the Insect class called canFly()

- (d) In the Bee class, call the getLegs method(e) In the Bee class, implement and call the canFly method

Name	Period
Chill 24.2. Exercise 1	
Skill 24.3: Exercise 1	
(a) Declare an interface called Animal	
(b) Declare a class called Ant that implements Animal	
Skill 24.4: Exercise 1	
	1 1 1 1 7 1 1 1 6 7 7 7 1 1 6
Consider the vehicle interface below. The Car and Bike of	classes implement the Vehicle interface. Write the Car
and Vehicle classes.	
Public interface Vehicle {	
Tabile interrace venicle (
<pre>// all are the abstract methods.</pre>	
<pre>void changeGear(int a);</pre>	
<pre>void speedUp(int a);</pre>	
void speedup(int a),	
<pre>void applyBrakes(int a);</pre>	
}	