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	USN: 18M19CS139	papergrid
	Section: 30 Batch: 2	Date: 06/11 /20
4.	Develop a Java program to create	an abstract
	class named Shape that contains ?	
	an empty method named print Area	(). Provide
	3 classes named Rectangle, Triangl	e and Circle
	such that each one of the classes extends the	
	class shape Each one of the classes	contains only
	the method printArea() that prints the area of	
	the given shape	
	" = o divis go man Al pottaing tou musto	116
	abstract class shape	
	\$	1
	fint a=8, b=6;	1
	abstract void print Area();	
	2	į.
	class Rectangle extends Shape	
	S Rectarge Stores Drup	
	int aria_rectangle;	
	void printArea()	1
	S Salonal T and T Board	
	area_rectangle = a * b;	
	System.out. println ("Area of rectangle = " + area_rectangle);	
	- Loan Break	11
	7	1
	class Triangle extends Shape	Ý
	5	
	float orea-triangle;	
	void printArea()	
	5	
	area_triangle = (float) (0.5 * a * b)	•
	System. out. println ("Area of triangl	e = " + area - triangle).
	390,000	11.14.77
	2	
	clars Circle extends Shape	
E.A.		

Date:

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float area circle 1, area-circle-2;
  void printArea()
   area_circle_1 = (float) (3.14 * a * a);
     area - circle - 2 = (float) (3.14 * b * b);
     System. out. println (Area of circle 1 = "
    System. out. println (Area of circle 2 =
                   area-circle_2);
class abstract_areas
  public static void main (String args[])
      Rectangle r = new Rectangle ();
      r.printArea();
      Triangle t = new Triangle();
      t.printArea();
      Circle c = new Circle ();
     c. print Area();
```