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Name:

(15.3 #13) Draw the region of integration, and evaluate the double integral:

$$\iint\limits_D y \cos x \, dA, \quad D \text{ is bounded by } x = 0, x = -y^2, y = -1$$

	Name:	
Problem 63		

(15.3 #17) Draw the region of integration, and evaluate the double integral:

 $\iint\limits_{D} (3y-x) \ dA, \quad D \text{ is bounded by the circle with center the origin and radius 2}$

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 $(15.3 \ \#19)$ Draw the region of integration, and find the volume of the solid under the plane

$$x + 4y - z = 0$$

and above the region bounded by y = x and $y = x^2$

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Prol	nen	65

Name:		

(15.4 #3) Draw the region $R = \{(x,y)|x \ge -2, x \le y, y \le 2\}$. Decide whether to use pole or rectangular coordinates and write $\iint_R f(x,y) dA$ as an iterated integral, where f is an arbitrate continuous function on R.

	Name:	
Problem 66		

(15.4 #4) Draw the region $R = \{(x,y)|x^2 + y^2 \ge 1, x^2 + y^2 \le 9, x \ge 0, y \ge 0\}$. Decide whether to use polar or rectangular coordinates and write $\iint_R f(x,y) dA$ as an iterated integral, where f is a arbitrary continuous function on R.