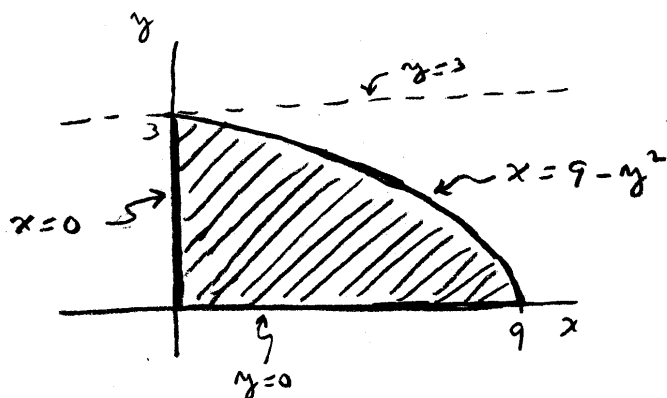
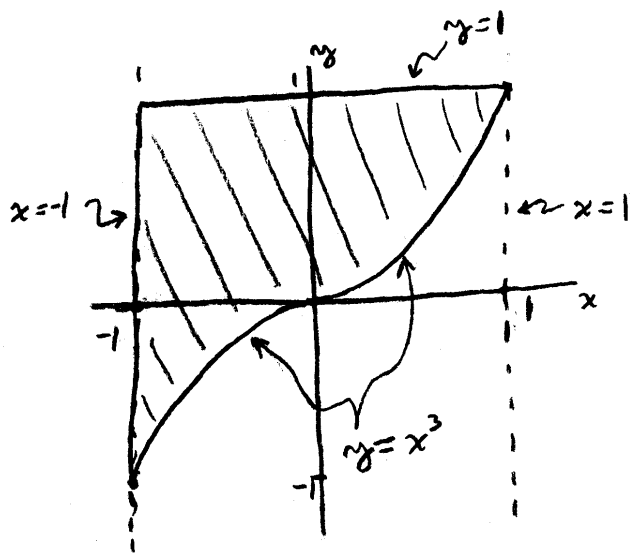


Sketches

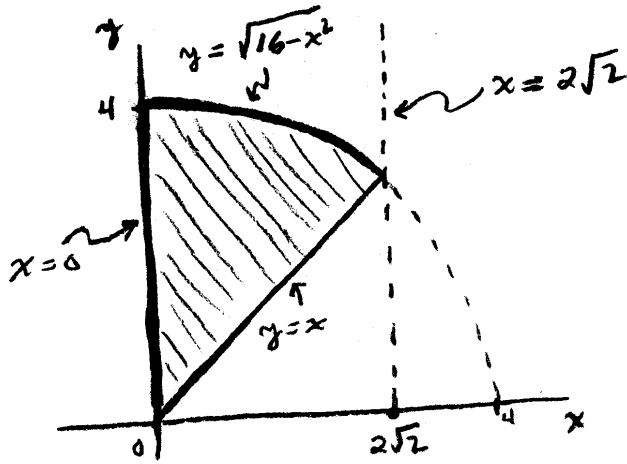
$$(3) (a) \int_{y=0}^{y=3} \int_{x=0}^{x=9-y^2} f(x, y) dx dy$$



$$(b) \int_{x=-1}^{x=1} \int_{y=x^3}^{y=1} f(x, y) dy dx$$



(4) (a)  $\int_{x=0}^{x=2\sqrt{2}} \int_{y=x}^{y=\sqrt{16-x^2}} 3x \, dy \, dx$



(b)  $\int_{y=0}^{y=1} \int_{x=-y}^{x=y} (x^2 + 2y) \, dx \, dy$

