

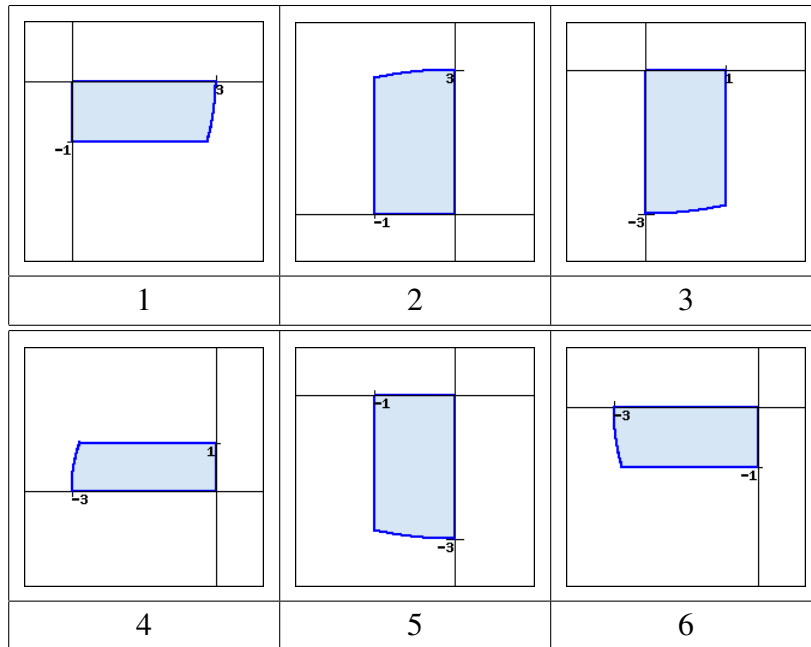
For the integral

$$\int_{-1}^0 \int_{-\sqrt{9-x^2}}^0 xy \, dy \, dx,$$

sketch the region of integration and evaluate the integral. Your sketch should be approximately the same as one of the graphs shown below; which is the correct region?

Graph

Then $\int_{-1}^0 \int_{-\sqrt{9-x^2}}^0 xy \, dy \, dx =$



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