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10 Since the function being integrated is the constant 1 then the above triple integral reduces to a double integral

of the types that we considered in the previous section if the solid is bounded above by some surface  $z = f(x, y)$ ,

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example  $\int \int f(x, y)$  or  $\int \int \int f(x, y, z)$  integrals of a function of two variables over a region in  $\mathbb{R}^2$  are called double integrals and

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