

## Question

The figure shows a surface  $S$  consisting of a disk  $S_1$  of radius 1 in the plane  $y = 1$  and a paraboloid  $S_2$ . If  $\iint_S y \, dS = 10$ , what is the value of  $\iint_{S_2} y \, dS$ ?

- A.  $10 - \pi$
- B.  $10 + \pi$
- C. 10
- D. There is not enough information.

