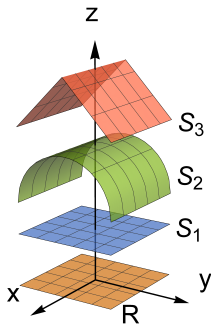


Surface Area



Question

The figure shows the graphs of 3 functions over the same domain R in the xy -plane. Rank the surface areas from smallest to largest.

- A. $\text{Area}(S_1) < \text{Area}(S_2) < \text{Area}(S_3)$
- B. $\text{Area}(S_1) < \text{Area}(S_3) < \text{Area}(S_2)$
- C. $\text{Area}(S_2) < \text{Area}(S_3) < \text{Area}(S_1)$
- D. $\text{Area}(S_3) < \text{Area}(S_2) < \text{Area}(S_1)$