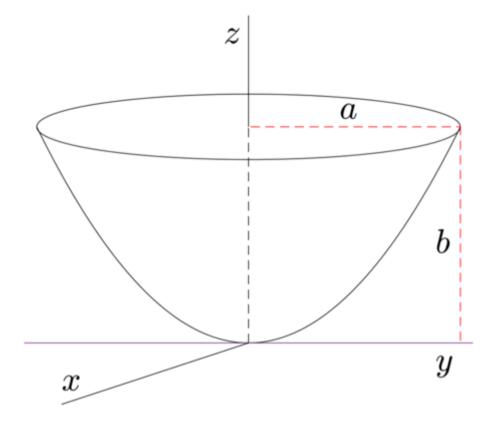
## **■ Item Navigation**

## Surface Area of a Paraboloid

Compute the lateral surface area  $A=\int_S\,dS$  of a paraboloid (see figure), defined by

$$a^2z=b(x^2+y^2), \qquad ext{for } 0 \leq z \leq b.$$

Compute the resulting two-dimensional integral using polar coordinates.



✓ Completed

Go to next item

🖒 Like

√ Dislike

Report an issue