

§16.5

1. 求曲面面积

□ **Example 7** Find the area of the surface cut from the bottom of the paraboloid $z = x^2 + y^2$ by the plane $z = 4$. P10

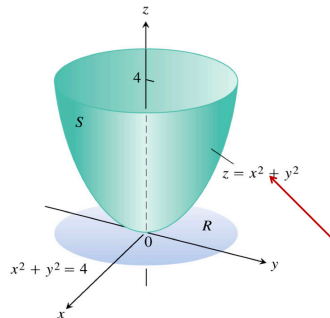
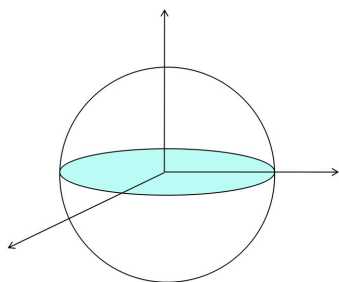


FIGURE 16.46 The area of this parabolic

□ **Example 5** Find the surface area of a sphere of radius a . P13



$$x^2 + y^2 + z^2 = a^2$$