

## MORE PLANES

Use partial derivatives to find the equation for the tangent plane at the indicated point. Write your answer in the form  $z = Ax + By + C$ .

1.  $z = x^4 + y^4$ ,  $P = (1, 1, 2)$

2.  $z = \sqrt[3]{x^2 y}$ ,  $P = (2, 2, 2)$

3.  $z = \frac{x}{y}$ ,  $P = (2, 1, 2)$