

19. Если  $z = r + s^2$ ,  $x + y = s^3 + r^3 - 3$ ,  $xy = s^2 - r^2$ , найти  $(\partial x / \partial z)_s$ ,  $(\partial x / \partial z)_r$ ,  $(\partial x / \partial z)_y$  в точке  $(r, s, x, y, z) = (-1, 2, 3, 1, 3)$ .

7.19  $(\partial x / \partial z)_s = 7/2$ ,  $(\partial x / \partial z)_r = 4$ ,  $(\partial x / \partial z)_y = 3$   
7.20  $(\partial y / \partial z)_s = 1/2$ ,  $(\partial y / \partial z)_r = 1/4$ ,  $(\partial y / \partial z)_x = 1/3$