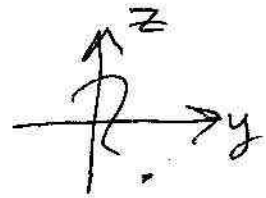
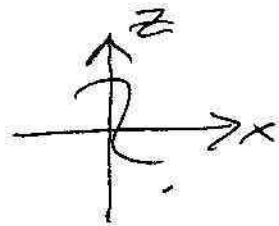


Let  $S$  be the surface  $\{(x, y, z) \mid z = x^3 + y^3\}$ .

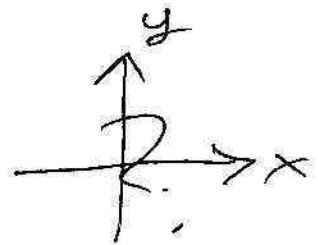
① Sketch slices of  $S$  at  $x = a$   
for five values of  $a$ .



② Sketch slices of  $S$  at  $y = b$   
for five values of  $b$ .



③ Sketch level curves of  $S$  at  
 $z = -1, -\frac{1}{2}, 0, +\frac{1}{2}, +1$ .



You may use calculators and/or

computer plots if you want.

Just turn in the final product on paper.