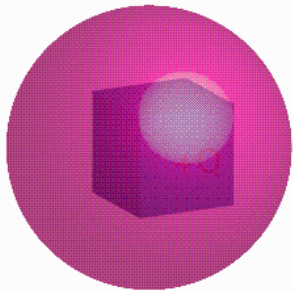
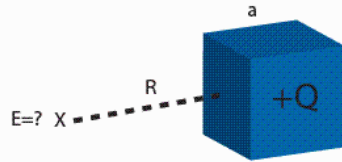


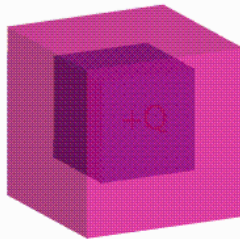
# Checkpoint 1



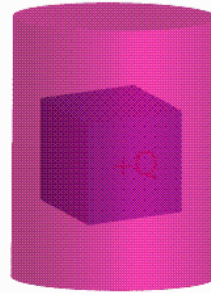
2) You are told to use Gauss' Law to calculate the electric field at a distance  $R$  away from a charged cube of dimension  $a$ . Which of the following Gaussian surfaces is best suited for this purpose?



(A)



(B)



(C)

**D) The field cannot be calculated using Gauss' Law**

E) None of the above

**THE CUBE HAS NO GLOBAL SYMMETRY!**

THE FIELD AT THE FACE OF THE CUBE

**IS NOT**

PERPENDICULAR OR PARALLEL

3D	POINT	→	SPHERICAL
2D	LINE	→	CYLINDRICAL
1D	PLANE	→	PLANAR

Gaussian Surface Choice: Question 1 (N = 863)

