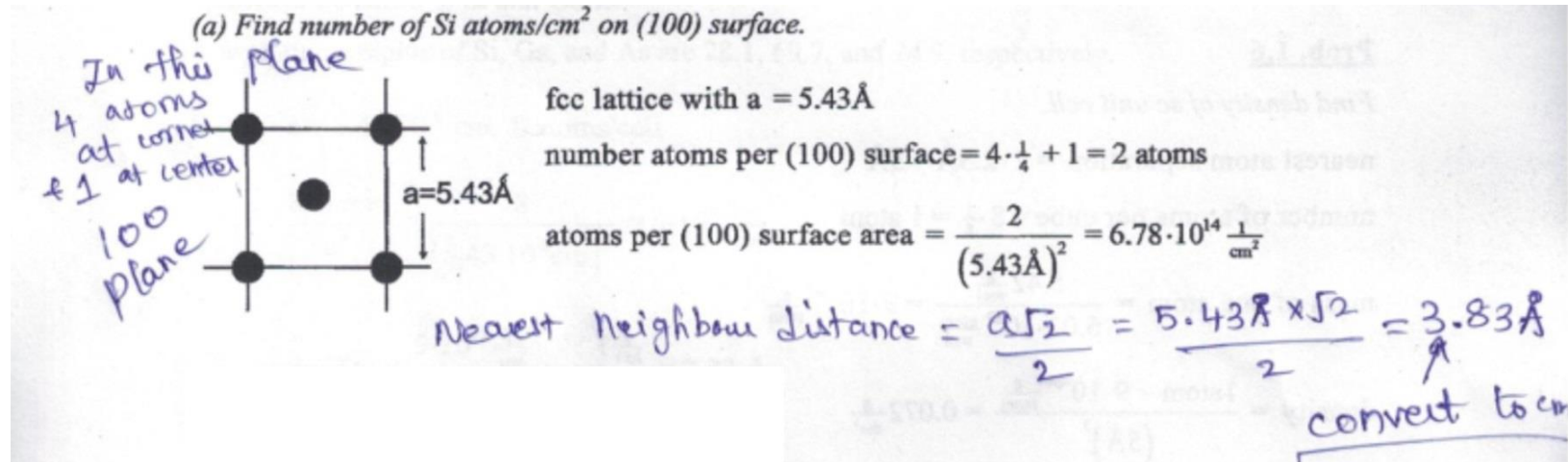


1.



2. Find the nearest neighbour distance of the FCC crystal with lattice constant of  $5.87 \text{ \AA}$ . (Answer:  $4.15 \times 10^{-8} \text{ cm}$ )