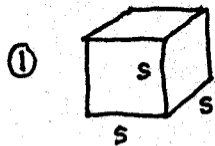


Show all work, including mental steps, in a clearly organized way that speaks for itself. Use proper mathematical notation, identifying expressions by their proper symbols (introducing them if necessary), and use arrows and equal signs when appropriate. BOX final short answers.



Express the surface area of a cube as a function of its volume. (Choose appropriate variable names. Simplify your expression for the function.)

② Find the domain and range of the function defined by $f(x) = \sqrt{4-3x^2}$.