SURFACE AREA

Write a program to calculate the surface area of the following shapes: a square, a cube, a pyramid, and a cylinder. Ask the user which shape he would like to calculate the area for, and the dimensions that are needed for the calculation.

The formulæ for each shape follows.

Area of a square : Length X WidthArea of a cube: 6 X (Length of side)2

Area of a pyramid: (Number of faces X Length of base X Height) / 2

Area of cylinder : 2πRadius X Height

Skills Required: Sequence, Selection, Procedures, Function, Overloading, Interface Design, Error Trapping