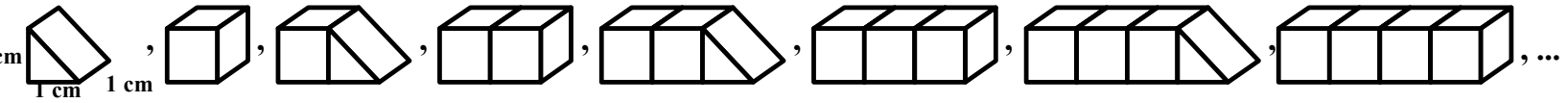
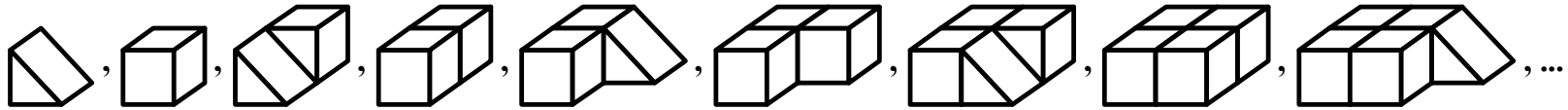
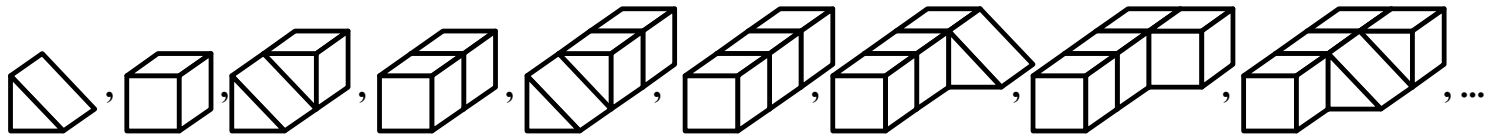
Advanced Challenge Level 1 Problem #44 _____

Study the rows of geometric figures below. For each row, describe what the 36th figure in the row would look like, find the volume of the 36th figure, and find the surface area of the 36th figure. Write your answers in the space provided below. (Include the appropriate units in your answers.)

1. 

2. 

3. 

For row #1 above, describe the 36th figure: _____

What is its volume? _____ What is its surface area? _____

For row #2 above, describe the 36th figure: _____

What is its volume? _____ What is its surface area? _____

For row #3 above, describe the 36th figure: _____

What is its volume? _____ What is its surface area? _____

If more rows of figures had been shown, using the existing pattern above, answer the same three questions for row #6.

For row #6 (not shown), describe the 36th figure: _____

What is its volume? _____ What is its surface area? _____