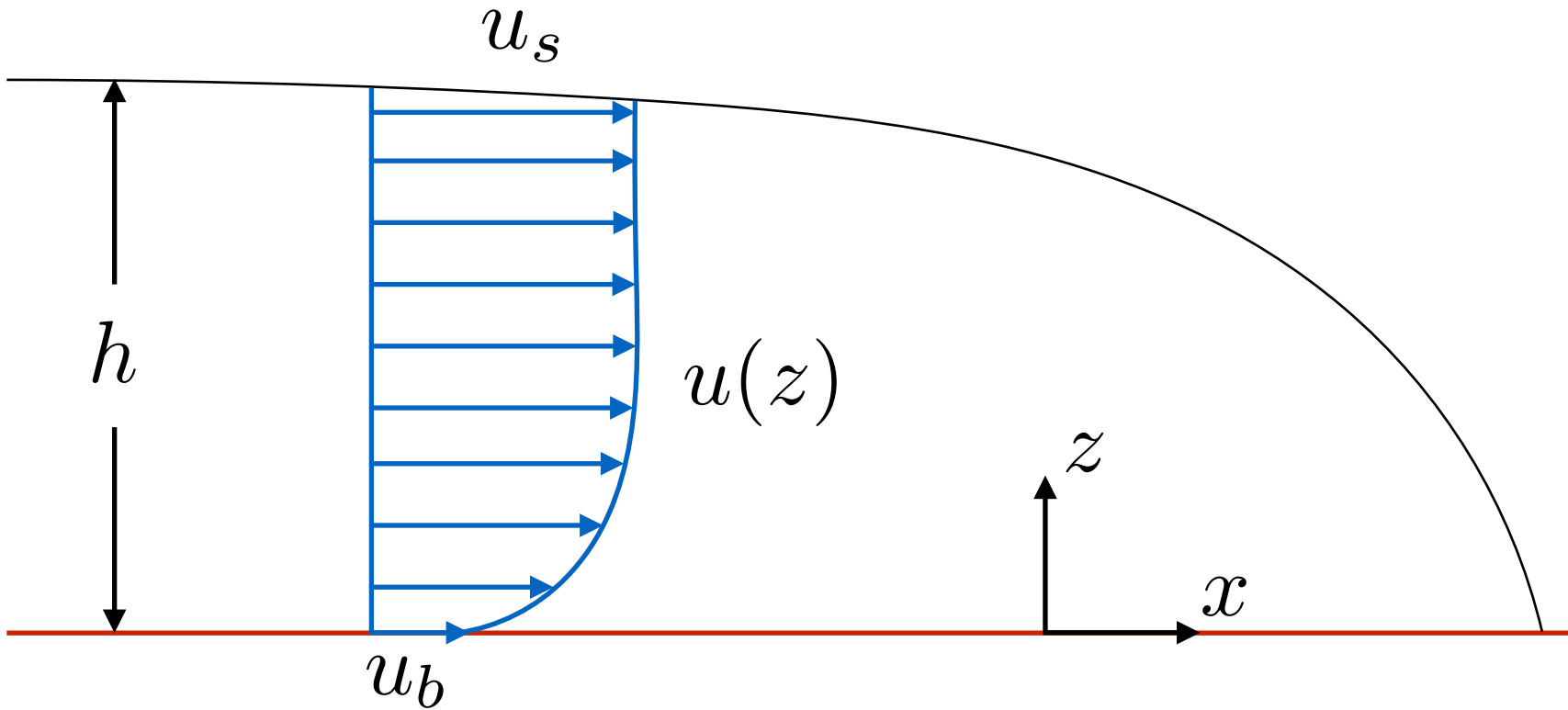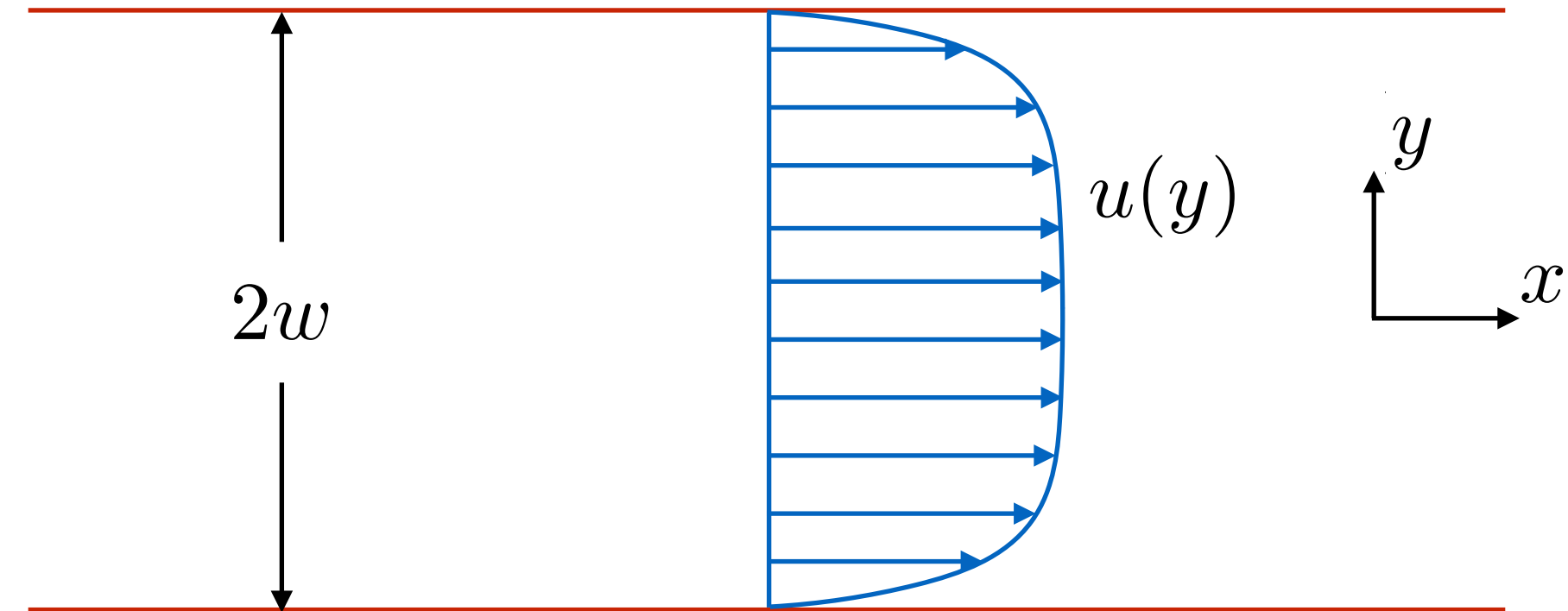## side view

u_s

$u(z)$

h

u_b

z

x

Vertical-shear dominated flow:
Most of the observed flow
at the surface is due to
deformation of the ice column

$$u_s \propto h^{n+1} \qquad u_b = 0$$

map view

$u(y)$

$2w$

y

x

Basal-slip dominated flow:
Most of the observed flow
at the surface is due to the
glacier slipping along the bed

$$u_s = u_b \propto w^{n+1}$$