

7.5 (1)

$$Q = W \int_0^H u dy = W \int_0^H \frac{y}{H} V dy = \frac{1}{2} WHV$$

$$(2i) \quad \tau_w = \mu \dot{\gamma}_w = \mu \left. \frac{\partial u}{\partial y} \right|_w = \mu \frac{V}{H}$$

$$F = \tau_w A = \mu \frac{V}{H} \cdot Wl$$