

$$176.4 \text{ m}$$

$$H_1 = 0.035 \times 0.09 \times \frac{0.09}{(400/60)^2} \times \frac{2 \times 9.8}{2 \times 9.8}$$

fourth out

$$= 1476758 > 2100$$

$$c) P = \frac{0.04 \times 0.04}{0.04 \times 0.04} = 898 \left(\frac{400/60}{3.14 \times 0.045} \right) \times 0.09$$

Yes it does (if $P = \text{constant}$)

$$0 = (2-2) \cdot 0 = \frac{\partial^2 \phi}{\partial x^2} + \frac{\partial^2 \phi}{\partial y^2} \quad (9/9)$$

⑦