

35) 800 kPa

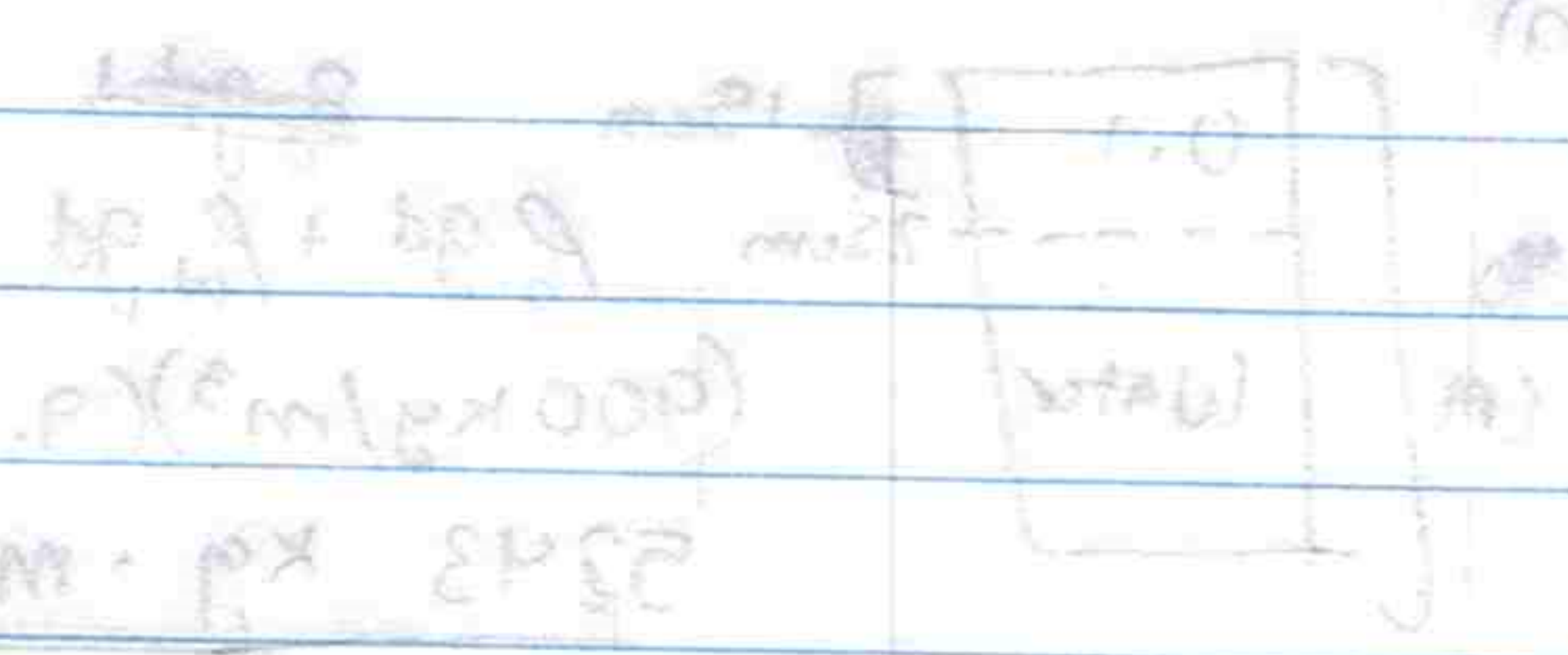
36)  $V_1 A_1 = V_2 A_2$

25 kPa/m/s

9 m/s

$$p_2 = p_1 + \rho g h = 1000 \times 9.81 \times 0.025 = 245.25 \text{ Pa}$$

$$p_2 = 245.25 \text{ Pa}$$



$$(1000 \text{ kg/m}^3)(9.81 \text{ m/s}^2)(0.025 \text{ m}) = (1000 \text{ kg/m}^3)(9.81 \text{ m/s}^2)(0.025 \text{ m})$$



$$p_2 = p_1$$

$$p_2 = 1000 \text{ Pa}$$

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