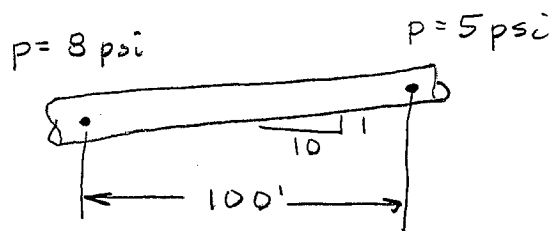


① GIVEN: water flows
steadily in pipe as
shown.

FIND: direction of
flow

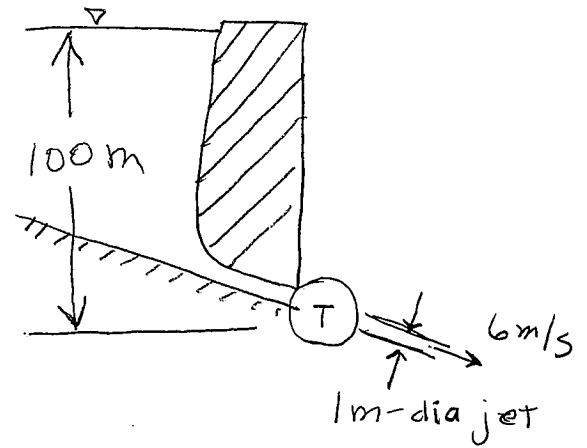
SOLUTION:



(2)

GIVEN: TURBINE
AS SHOWN

FIND: MAXIMUM
POWER OUTPUT



3)

GIVEN: Water
flows DOWN the
pipe. Neglect pipe weight

FIND: (a) $p_1 - p_2$

(b) h_L

(c) net axial force by pipe
wall on fluid

