Group 4

Work on the following problems: Chapter 6: 79, 82, 91; and Chapter 7: 11,16,22,30,35,42. Write a paragraph or two on what you learned.

Chapter six discussed the actions of fluid flow systems, to study moving a specific amount of fluid from one place to another. In chapter seven, we learned in depth applications revolving around Bernoulli's equation. It represents a quantity of energy per unit weight of fluid flowing in the system. In these homework problems, we observed how to manipulate the variables in the equation, to find the flow rate, pressure, and other values embedded in the equation. Determining power from pumps and turbines helped us apply Bernoulli's equation as well. Energy loss, energy added, and energy removed were big in this chapter, due to the transfer of energy through a pump. As shown in our homework questions, a lot of the time all of the variables used in the general energy equation can be zero or canceled out, turning the problem into Bernoulli's equation.



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