1. If the pressure head on a fire hydrant is 134 ft, what is the pressure in psi?

   a. 50 psi

   b. 52 psi

   c. 54 psi

   d. 58 psi

2. A pressure gauge reading is 80 psi. How many feet of head is this?

   A. 173 feet

   B. 185 feet

   C. 200 feet

   D. 212 Feet

3. A head of 200 feet would equal:

   a.   46.6psi

   b.   56.6psi

   c.   66.6psi

   d.   86.6psi

4. Convert 45 psi to feet of head

   $$45 \; \cancel{psi} * \frac{ft \; head}{0.433 \cancel{psi}} = \boxed{103.9 \; feet}$$

5. If the pressure at a water main is 50 psi, what would the static pressure (psi) be at a faucet on the top floor of a four story building? (Assuming 10 ft. per story)

   $$50psi - 4 * 10 \; \cancel{ft} * \frac{0.433 psi \; ft \; head}{=} \boxed{32.7 \; psi}$$

6. A water tower has water pressure of 98 psi at its base. What would be. the pressure at a hydrant three blocks away if there is a 65-foot head loss in the pipe?

   $$98psi - 65 \; \cancel{ft} * \frac{0.433 psi \; ft \; head \; loss}{=} \boxed{70 \; psi}$$

7. If the pressure at a water main is 50 psi, what would the static pressure (psi) be at a faucet on the top floor of a four story building? (Assuming 10 ft. per story)

8. A water tower has water pressure of 98 psi at its base. What would be. the pressure at a hydrant three blocks away if there is a 65-foot head loss in the pipe?