

# Lesson 79

1. A) 258.6

B) Approximately 258.6 gallons of water flow out of the pipe between  $t = 0$  hours and  $t = 24$  hours.

2. A) 2530

B) 2640

3. 4.669

4. 2.009

5. A) 4125

B) It is the average rate of fuel consumption in gallons per minute from  $t = 0$  minutes to  $t = b$  minutes.

6. A)  $-\frac{7}{2} \text{ } ^\circ\text{C}/\text{cm}$

B)  $75.688 \text{ } ^\circ\text{C}$