

Self-test 1 (pg. 269)

- 1
  - a) 8 mL/hour
  - b) 31 hours
- 2) 100 mL/hour
- 3) 42 mL/hour
- 4) 8 mL/hour
- 5) 4 mL/hour
- 6
  - a) 30 mL/hour
  - b) 8 hours
- 7) 10 mL/hour
- 8
  - a) 24 mL/hour
  - b) 21 hours
- 9
  - a) 23 mL/hour
  - b) 11 hours
- 10) 33 mL/hour

Proficiency Test Questions (pg. 244)

- 1
  - a) 7 hours
  - b) 25 gtt/min *macro drip*  
150 gtt/min *micro drip*

c) macrodrip tubing

2

- a) 3 gtt/min *macrodrip*  
17 gtt/min *microdrip*
- b) microdrip tubing

3

- a) Allow for 100 mL of the 250 mL NS bag to drain aseptically.
- b) 13 gtt/min *macrodrip*  
50 gtt/min *microdrip*
- c) Any size tubing would be correct to use. Microdrip tubing will produce a better drip flow.

4) 21 mL/hour

5

- a) Reconstitute the 100 mg powder to 250 mL/D5W. Give IVPB over 1 hour (60 minutes). Label.
- b) 42 gtt/min

6

- a) 5 mL of aminophylline is needed
- b) 31 gtt/min

7) 2800 mL

8

- a) 90 mL/hour
- b) 11 hours

9) 50 mg/hour

10

- a) 75 mL D5W; remove 25 mL of D5W from 100 mL D5W bag aseptically. Add 5 mL of Bactrim to the 75 mL; time is 60 minutes. Label.
- b) Set the pump for 60 minutes. Set the secondary volume to 75 mL. Set the secondary rate to 75 mL/hour. For 90 minutes, the rate would be 50 mL/hour. The secondary volume will be 75 mL and the secondary rate will be 50 mL/hour.

11) 37.5 mL of water

12) 250 mL of water

13) 300 mL of water

14) 0 mL of water

