

Day 3 Answers

Tables #1

- a. 176.3 cubic feet
- b. overestimate
- c. 101.325338
- d. 1.694419

Tables #2

- a. -120 liters per hours squared
- b. 8050 liters
- c. 49786 liters
- d. IVT

Tables #3

- a. 3.128 or 3.127 and $t=3.473$
- b. -9.207
- c. The particle changes direction at $t=.536$ and $t=3.318$ or 3.317
- d. Increasing because $v(4)$ & $v'(4)$ have the same signs.

Tables #4

- a. 1.017 (or f1.016)
- b. 16
- c. 60.79 Underestimate
- d. 73.043

Tables #5

- a. 5
- b. 7600
- c. 15
- d. 350

Multiple Choice

- | | |
|-------|-------|
| 21. B | 26. B |
| 22. E | 27. D |
| 23. E | 28. B |
| 24. B | 29. A |
| 25. C | 30. D |