Chapter 5

1. **lram** = 4.9375, **rram** = 6.4375, **mram** = 5.65625

2. Same as Exercise 1.

3. **lram** = **rram** =**mram**= 17/3

4. Same as Exercise 3.

5. **lram** $= \dfrac{\pi}{4}$, **rram** $= -\dfrac{\pi}{4}$, **mram** $= 0$

6. **lram** and **rram** same as Exercise 5; **mram** = 2.356E-14 (in **APPROXIMATE** Mode)

7. The TI-89 cannot evaluate these limits.
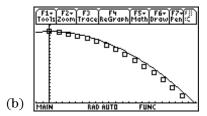
8. 0

Chapter 6

1. .9471

2. 3.8202

3. $y = 2x\cos(x) + (x^2 - 2)\sin(x)$

4. $v = v_0 e^{-\frac{kt}{m}}$

5. $y = 19 - 16t^2$

6. $q = \left(\dfrac{-\cos(t)}{2} - \dfrac{\sin(t)}{2} \right) e^{-t} + \dfrac{1}{2}$

7. (a) $y = .8649 - 4.9t^2$

    (b)

8. About 47°C

9. About 15.7 seconds

10. About 18 days