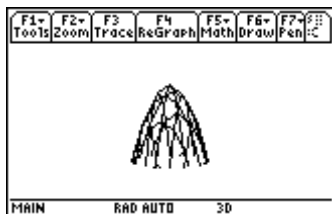
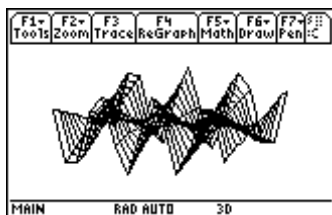


6.



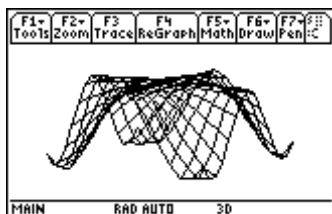
(a)

standard window



(b)

standard window



(c)

[-2,2] x [-2,2] x [-1,1]

## Chapter 9

1. Converges to 0.
2. Converges to 0.
3. Diverges.
4. Converges to  $-0.693$  ( $\ln(1/2)$ ).
5. Converges to  $2.718$  ( $e$ ).
6. Converges to  $3.141$  ( $\pi$ ).
7. Converges to 2.
8. Diverges.

$$9. \frac{x^8}{315} - \frac{2x^6}{45} + \frac{x^4}{3} - x^2 + 1$$

10. Same result as Exercise 9.

$$11. \frac{(x-1)^5}{5} - \frac{(x-1)^4}{4} + \frac{(x-1)^3}{3} - \frac{(x-1)^2}{2} + (x-1)$$

$$12. \frac{(2x-\pi)^4}{384} - \frac{(2x-\pi)^2}{8} + 1$$