HOMEWORK #4

Answers to some even exercises:

Section 2.4

#24. origin
#26. none
#30. even
#32. neither

Section 2.7

#6. 18/7
#8. $20k^2 + 8k + 4$
#12. all domains are "all real numbers" except for that of f/g, which is "all real numbers except 1 and 2".
#14. All domains are [4/5, infinity)
#24. a) 2; b) -3; c) 2; d)-2.
#40. a) $8 - 3x^2 - 6xh - 3h^2$; b) $-6xh - 3h^2$
#44. 0
#48. -2
#84. a) $4pt^2$; b) it defines the area of the leak in terms of the time t, in hours.