

p. 557) 9, 10, 12 - 22 even, 29-31, 38, 39

9) C 10) D 12) not a poly: neg. exponent 14) yes \rightarrow degree = 2 (quadratic) trinomial

16) yes \rightarrow degree = 4 trinomial 18) $6h^2 - 4h - 2$

20) $10k^2 - 9k - 14$ 22) $-4x^3 + 2x^2 + 15k - 9$

29) $2x^2 + 6x - 9$ 30) $12x + 8$ 31) $12x - 3$
 $4x^2 - 4x - 5$

38) \$8016 39) a) $T = 9.5t^3 - 73t^2 + 130t + 860$
b) 1998

$$\frac{2002}{-1990} = t$$

38) $D = 442.14t + 14433$

$$I = -137.63t^2 + 2705.2t + 15,111$$

$$D = 442.14(12) + 14433 = \underline{19,738.68}$$

$$I = -137.63(12)^2 + 2705.2(12) + 15,111 = \underline{27,754.68}$$

$$\begin{array}{r} 27,754.68 \\ - 19,738.68 \\ \hline \$8,016 \end{array}$$