Alg 2
Ch 6
Sec 6.1

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a) standard form
b) classify by degree
c) classify by # of terms
d) EB $y = \underline{a}x^{\underline{n}}$ (1st Term of S.F.)

1a) $y = 3x + 2$
b) Linear
c) Binomial
d) a+ (3), n odd (1) ↙ ↗

2a) $y = 4x^3$
b) Cubic
c) Monomial
d) a+ (4), n odd (3) ↙ ↗

3a) $g(t) = -t^2 + t$
b) Quadratic
c) Binomial
d) a− (−1), n even (2) ↖ ↘

4a) $f(x) = x^5 + 2x$
b) Quintic
c) Binomial
d) a+ (1), n odd (5) ↙ ↗

5a) $g(x) = x^6$
b) 6th degree polynomial
c) Monomial
d) a+ (1), n even (6) ↖ ↗

6a) $y = 3x^5 - 4x^4$
b) Quintic
c) Binomial
d) a+ (3), n odd (5) ↙ ↗

7a) $y = -7x^8$
b) 8th degree polynomial
c) Monomial
d) a− (−7), n even (8) ↖ ↘

8a) $y = \frac{1}{2}x^4 - 2$
b) Quartic
c) Binomial
d) a+, n even ↖ ↗

9a) $y = -\frac{1}{2}x^3 + 4x^2 + x - 1$
b) Cubic
c) Polynomial
d) a− (−½), n odd (3) ↖ ↘

10a) $g(x) = -x^3 + x + 5$
b) Cubic
c) Trinomial
d) a− (−1), n odd (3) ↖ ↘