R 1.5

Monomial one term x, 5, $3a$

Binomial two terms $4x+1$

Trinomial three terms x^2+5x+6

Polynomial

$a_n x^n + \ldots + a_2 x^2 + a_1 x + a_0$

$3x^5 + 7x^4 - 2x^3 + 5x^2 - x + 6$

Degree of polynomial

5

$4x^3 + 5x^2 - 2x + 4$

Polynomial Degree 3 cubic

$x^2 - 8x + 7$

Trinomial Degree 2 Quadratic

$x^2y^1 + 4xy^2 - 2xy + 5x$

$(4x^2 + 3x - 1) + (7x^2 - 5x - 8)$

Add Like Terms

$11x^2 - 2x - 9$

$(5a^2 - 2a - 4) - (a^2 - 7a + 1)$

$4a^2 + 5a - 5$

$5a^2 - 2a - 4 - a^2 + 7a - 1$

$(x+4)(x-3)$ FOIL

$x^2 - 3x + 4x - 12$

$x^2 + x - 12$

$(x+3)^2$ $x^2 + 6x + 9$

$(x+3)(x+3)$

$x^2 + 3x + 3x + 9$

$x^2 + 6x + 9$

$(x-3)^2$ $x^2 - 6x + 9$

$(x-3)(x-3)$

$(x+5)(x-5)$

Difference of the Squares

$x^2 - 5x + 5x - 25$

$x^2 - 25$

$$(x+2)^3$$

$$[(x+2)(x+2)](x+2)$$

$$[x^2+4x+4](x+2)$$

$$(x+2)(x^2+4x+4)$$

$$x^3+4x^2+4x+2x^2+8x+8$$

$$x^3+6x^2+12x+8$$

$$(\sqrt{x} + \sqrt{y})^2$$

$$(\sqrt{x} + \sqrt{y})(\sqrt{x} + \sqrt{y})$$

$$x + \sqrt{xy} + \sqrt{xy} + y$$

$$x + 2\sqrt{xy} + y$$

p R47

57

$$1200(1.06)^4 + 1400(1.06)^3 + 800(1.06)^2 + 2300(1.06) + 2900$$