

~~6.3.2.~~

$$3ax+4a = a(3x+4)$$

$$6x^2-3x = 3x(2x-1)$$

$$2bc-3c = c(2b-3)$$

$$10y^3+2y = 2y(5y^2+1)$$

$$7xy^3+xy = xy(7y^2+1)$$

$$9y^6-6y^3 = 3y^3(3y^3-2)$$

$$2ab^2-ab = ab(2b-1)$$

$$18x^4+12x^3 = 6x^3(3x+2)$$

$$-a^7-5a^6-3a^6 = -a^6(a+5a^5+3)$$

$$8x^4y^2-12x^2y^3+4x^2y^3 = 4x^2y^2(2x^2-3y+y)$$

$$-x^5-3x^7-2x = -x(x^4+3x^6+2)$$

$$3x^3y-6x^3y^2+9x^4 = 3x^2y(x-2xy+3x^2)$$

$$3xy+6ay = 3y(x+2a)$$

$$y^3-y^4 = y^3(1-y)$$

$$4ab-4ac = 4a(2b-c)$$

$$x^4+x^3 = x^3(x+1)$$

$$30a^2+11ab = a(30a+11b)$$

$$12x^2y^4-18x^3y^3+6x^2y = 6x^2y^2(2y^3-3xy^2+1)$$

$$14xy+21y^2 = 7y(2x+3y)$$

$$3y^3-6y^6 = 3y^3(1-2y^3)$$

$$10a^2b-25b^2 = 5b(2a^2-5b)$$

$$2x^2+4x^4 = 2x^2(1+2x^2)$$

$$x^2-x=0$$

$$x(x-1)=0$$

$$x=0 \quad x-1=0$$

$$x=1$$

$$3x-27x^2=0$$

$$3x(1-9x)=0$$

$$3x=0 \quad 1-9x=0$$

$$x=0 \quad -9x=-1$$

$$x = \frac{1}{9}$$

$$4x^2-3x=0.$$

$$x(4x-3)=0.$$

$$x=0 \quad 4x-3=0.$$

$$4x=3$$

$$x = \frac{3}{4}$$

$$x^2+x=0.$$

$$x(x+1)=0$$

$$x=0 \quad x+1=0$$

$$x=-1$$

$$4x-20x^2=0.$$

$$4x(1-5x)=0$$

$$4x=0 \quad 1-5x=0$$

$$x=0 \quad -5x=-1$$

$$x=0,2$$

$$2x^2-5x=0.$$

$$x(2x-5)=0$$

$$x=0 \quad 2x-5=0$$

$$2x=5$$

$$x=2,5$$