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> A:={1,2+2,3^2,3.45/3,Pi,x^2=1,Alma,infinity,-infinity};
      A := { 1, 4, 9,  $\pi$ ,  $\infty$ ,  $-\infty$ , Alma,  $x^2 = 1$ , 1.150000000 }
> evalf(Pi);
      3.141592654
> Digits:=50;
      Digits := 50
> evalf(Pi);
      3.1415926535897932384626433832795028841971693993751
> Digits:=10;
      Digits := 10
> solve(x^2=1);
      1, -1
> B:={2-1,4,15-6,infinity,Pi,Haha,Kutya};
      B := { 1, 4, 9,  $\pi$ ,  $\infty$ , Haha, Kutya }
> A minus B; A union B; A intersect B;
      {  $-\infty$ , Alma,  $x^2 = 1$ , 1.150000000 }
      { 1, 4, 9,  $\pi$ ,  $\infty$ ,  $-\infty$ , Alma, Haha, Kutya,  $x^2 = 1$ , 1.150000000 }
      { 1, 4, 9,  $\pi$ ,  $\infty$  }
> member(Alma,A); member(Alma,B);
      true
      false
> Alma:=1; A; Alma:='Alma'; A;
      Alma := 1
      { 1, 4, 9,  $\pi$ ,  $\infty$ ,  $-\infty$ ,  $x^2 = 1$ , 1.150000000 }
      Alma := Alma
      { 1, 4, 9,  $\pi$ ,  $\infty$ ,  $-\infty$ , Alma,  $x^2 = 1$ , 1.150000000 }
> whattype(1);whattype(1/2);whattype(1.2);whattype(Pi);whattype(Alma);whattype(infinity);
      integer
      fraction
      float
      symbol
      symbol
      symbol
> Alma,Kutya,1,6;
      Alma, Kutya, 1, 6
> %[3],[4],[1],[2];
      1, 6, Alma, Kutya
> a:=[Alma,Kutya,1,6]; a[3]; a[4]; a[1]; a[2];
      a := [Alma, Kutya, 1, 6]

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1
6
Alma
Kutya
> a:={ [1,Alma], [1,Kutya], [2,Pi], [Pi,3] };
      a := { [1,Alma], [1,Kutya], [2,π], [π,3] }
> map (y->y[1], a); map (y->y[2], a);
      { 1, 2, π }
      { 3, π, Alma, Kutya }
> f2:=x->x^2;
      f2 := x → x2
> f3:=x->x^3;
      f3 := x → x3
> f1:=x->x/x;
      f1 := 1
> f:=sin;
      f := sin
> f@f2; f2@f; (f2@f)@f3; (f@f2) (2); (f2@f) (2); (f2@f@f3) (2);
>
      sin@f2
      f2@sin
      f2@sin@f3
      sin(4)
      sin(2)2
      sin(8)2
> D[1] (f2+f3); D[1] (f@f2); D[1] (f2@f); D[1] (f2@f@f3);
      (x → 2x) + (x → 3x2)
      cos@f2 (x → 2x)
      (x → 2x)@sin cos
      (x → 2x)@sin@f3 cos@f3 (x → 3x2)
> D[1] (f@f2); D[1]
      cos@f2 (x → 2x)

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