$S1 := \{-4, -2, 0, 3, 5, 7, 12\};$

$$S1 := \{-4, -2, 0, 3, 5, 7, 12\} \quad (1)$$

$S2 := \{-1, -2, 0, 5, 9, 11, 12\};$

$$S2 := \{-2, -1, 0, 5, 9, 11, 12\} \quad (2)$$

S1 **union** *S2*

$$\{-4, -2, -1, 0, 3, 5, 7, 9, 11, 12\} \quad (3)$$

S1 **intersect** *S2*

$$\{-2, 0, 5, 12\} \quad (4)$$

S1 **minus** $\{-4, 3\}$

$$\{-3, -2, 0, 5, 7, 12\} \quad (5)$$

$L := [\sin(\mathrm{Pi}/6), \exp(3), 1, \ln(5), \cos(\mathrm{Pi}/4), \mathrm{sqrt}(8)];$

$$L := \left[\frac{1}{2}, e^3, 1, \ln(5), \frac{\sqrt{2}}{2}, 2\sqrt{2}\right] \quad (6)$$

$nops(L);$

$$6 \quad (7)$$

$L := [op(L), \mathrm{Pi}^3];$

$$L := \left[\frac{1}{2}, e^3, 1, \ln(5), \frac{\sqrt{2}}{2}, 2\sqrt{2}, \pi^3\right] \quad (8)$$

$remove(has, L, 1)$

$$\left[\frac{1}{2}, e^3, \ln(5), \frac{\sqrt{2}}{2}, 2\sqrt{2}, \pi^3\right] \quad (9)$$