

$x^T y$ ($x^H y$): `dot = psb_gedot(x,y,desc_a,info)`
 $y \leftarrow \alpha x + \beta y$: `call psb_geaxpby(alpha,x,beta,y,desc_a,info)`
 $\max_i |x_i|$: `amax = psb_geamax(x,desc_a,info)`
 $\sum_i |x_i|$: `asum = psb_geasum(x,desc_a,info)`
 $\|x\|_2$: `nrm2 = psb_genrm2(x,desc_a,info)`
 $\|A\|_\infty$ `nrmri = psb_spnrmrmi(A,desc_a,info)`
 $y \leftarrow \alpha Ax + \beta y$: `call psb_spmm(alpha,A,x,beta,y,desc_a,info[,trans])`
 $y \leftarrow \alpha DT^{-1}x + \beta y$: `call psb_spsm(alpha,T,x,beta,y,desc_a,info[,trans,unitd])`

Note: T is a triangular AND block diagonal matrix (i.e.: Block-Jacobi or Hybrid GS type preconditioners)