A somewhat random seeming complex exponential evaluation using CliffordBasic, and an R3 bivector argument.

```
<< CliffordBasic`;
$SetSignature = {3, 0};
ClearAll[a, b, c, angle, exp, r]
exp[t_] := Module[{abs},
   abs = Sqrt[-GeometricProduct[t, t]];
   Cos[abs] + (t/abs) Sin[abs]];
r[t_] := GeometricProduct[e[3], exp[t]];
a = r[e[3, 1] Pi / 4]
b = r[e[3, 2] Pi / 4]
c = GeometricProduct[a, b] // Simplify
j = (e[1, 2] + e[1, 3] - e[2, 3]) / Sqrt[3];
exp[jPi/3] - c // Simplify
(*angle = exp[e[1,2] Pi(-1/3 + 1/6)]
   iangle = MultivectorInverse[angle]// Simplify
    GeometricProduct[ c,iangle ]*)
\frac{1}{2} (1 + e[1, 2] + e[1, 3] - e[2, 3])
```