Verify answers for normal factorization problem. 2.16

```
<< CliffordBasic`;
$SetSignature = {3, 0};

a = - (e[2] - e[3])
b = e[1] - e[2] / 2 - e[3] / 2

(*InnerProduct[a,b]
 OuterProduct[a,b]*)
GeometricProduct[a, b]
```

$-e[2] + e[3]$

$e[1] - \dfrac{e[2]}{2} - \dfrac{e[3]}{2}$

$e[1, 2] - e[1, 3] + e[2, 3]$

```
c = e[1] - e[3]
d = e[2] - e[3]
cp = c - InnerProduct[c, d] d / InnerProduct[d, d] // Simplify

(*InnerProduct[c,d]
 OuterProduct[c, d]*)
(*InnerProduct[cp,d]
 OuterProduct[cp, d]*)
GeometricProduct[cp, d]
```

$e[1] - e[3]$

$e[2] - e[3]$

$e[1] - \dfrac{e[2]}{2} - \dfrac{e[3]}{2}$

$e[1, 2] - e[1, 3] + e[2, 3]$

```
m = e[1] + e[2] - 2 e[3]
n = (e[2] - e[1]) / 2
```

```
GeometricProduct[ m, n ]
```

$e[1] + e[2] - 2 e[3]$

$\frac{1}{2} (-e[1] + e[2])$

$e[1, 2] - e[1, 3] + e[2, 3]$