

```
>
```

実習8.2

```
> with(LinearAlgebra) :
```

```
> a := Vector([1, 1, 0])
```

$$a := \begin{bmatrix} 1 \\ 1 \\ 0 \end{bmatrix}$$

(1)

```
> b := Vector([-2, 1, 1])
```

$$b := \begin{bmatrix} -2 \\ 1 \\ 1 \end{bmatrix}$$

(2)

```
> c := Vector([-1, 5, 1])
```

$$c := \begin{bmatrix} -1 \\ 5 \\ 1 \end{bmatrix}$$

(3)

```
(1)
```

```
> 5*(a + b) - 3*(2*a + c)
```

$$\begin{bmatrix} -8 \\ -11 \\ 2 \end{bmatrix}$$

(4)

```
(2)
```

```
> (a + b).c
```

$$12$$

(5)

```
(3)
```

```
> 2*(a - 2*b).(2*a + c)
```

$$-8$$

(6)

```
>
```