

```
>
[ ]
[ ] 実習8.1
```

```
>
[ ]
[ ] > with(linalg) :
[ ] > a := vector([1, 1, 0])
```

$$a := \begin{bmatrix} 1 & 1 & 0 \end{bmatrix} \quad (1)$$

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

$$b := \begin{bmatrix} -2 & 1 & 1 \end{bmatrix} \quad (2)$$

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

$$c := \begin{bmatrix} -1 & 5 & 1 \end{bmatrix} \quad (3)$$

```
[ ] (1)
```

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

$$\begin{bmatrix} -8 & -11 & 2 \end{bmatrix} \quad (4)$$

```
[ ] (2)
```

```
> evalm((a+b)*c)
```

$$12 \quad (5)$$

```
[ ] (3)
```

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

$$-8 \quad (6)$$

```
>
```