In[4]:=

$$\begin{pmatrix} 1 & 0 & 0 \\ 0 & \text{Cos}[58.59866/180.*\text{Pi}] & \text{Sin}[58.59866/180.*\text{Pi}] \\ 0 & -\text{Sin}[58.59866/180.*\text{Pi}] & \text{Cos}[58.59866/180.*\text{Pi}] \end{pmatrix} .$$

$$\begin{pmatrix} \text{Cos}[28.93617/180.*\text{Pi}] & 0 & -\text{Sin}[28.93617/180.*\text{Pi}] \\ 0 & 1 & 0 \\ \text{Sin}[28.93617/180.*\text{Pi}] & 0 & \text{Cos}[28.93617/180.*\text{Pi}] \end{pmatrix} .$$

$$\begin{pmatrix} \text{Cos}[266.40500/180.*\text{Pi}] & \text{Sin}[266.40500/180.*\text{Pi}] & 0 \\ -\text{Sin}[266.40500/180.*\text{Pi}] & \text{Cos}[266.40500/180.*\text{Pi}] & 0 \\ 0 & 0 & 1 \end{pmatrix}$$

Out[4]=

$$\{\{-0.0548755, -0.873437, -0.483835\}, \{0.49411, -0.44483, 0.746982\}, \{-0.867666, -0.198076, 0.455984\}\}$$

In[6]:=

```
{{-0.0548754832584196`, -0.8734371285898662`, -0.4838349550599299`},
  {0.49410956686008767`, -0.4448295118223244`, 0.7469822229138047`},
  {-0.8676660747513939`, -0.1980764696085884`, 0.4559838757159145`}}.
 {0.19033, -0.97915, -0.0709752}
```

Out[6]=

$$\{0.879122, 0.476581, -0.00355986\}$$