**Matrix Transforms**

|  |  |  |  |
| --- | --- | --- | --- |
| $$\left(\begin{matrix}1&0\\0&1\end{matrix}\right)$$ | Reflection in Line | Rotation by Angle | Reflection in Line then Rotation by Angle |
| $$y=(tan30)x$$ |  |  |  |
| $$y=(tan45)x$$ |  |  |  |
| $$y=(tan60)x$$ |  |  |  |
| $$y=(tan120)x$$ |  |  |  |
| $$y=(tan180)x$$ |  |  |  |
| $$y=(tan210)x$$ |  |  |  |
| $$y=(tan240)x$$ |  |  |  |
| $$y=(tan90)x$$ |  |  |  |