1

```
\ddots
```

This command produces three dots on a diagonal. Its most common use is to indicate repetition along the diagonal of a matrix.

Example:

```
$$\pmatrix{0&\ldots&0\cr
          \vdots&\ddots&\vdots\cr
          0&\ldots&0\cr}$$
```

produces:

$$\begin{pmatrix} 0 & \ldots & 0 \\ \vdots & \ddots & \vdots \\ 0 & \ldots & 0 \end{pmatrix}$$