Out[
$$\bullet$$
]//TableForm=
$$\Gamma[1, 2, 2] - r$$

$$\Gamma[1, 3, 3] - r \sin[\theta]^{2}$$

$$\Gamma[2, 2, 1] \frac{1}{r}$$

$$\Gamma[2, 3, 3] - \cos[\theta] \sin[\theta]$$

$$\Gamma[3, 3, 1] \frac{1}{r}$$

$$\Gamma[3, 3, 2] \cot[\theta]$$