Here is some inline math: $\Gamma$ followed by a bit more $\Sigma$.

$$\alpha^2 + \beta^2 = \gamma^2$$

Some text in-between math-environments:

$$-\left(\alpha^2 + \beta^2\right) = -\gamma^2 \tag{1}$$
$$\alpha^2 + \beta^2 = \gamma^2 \tag{2}$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2$$
$$\left(\alpha^2 + \beta^2\right) = \gamma^2$$

Some more text in-between math-environments:

$$\alpha^{-2} + \beta^{-2} \neq \gamma^{-2} \tag{3}$$

Some more text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2$$

the usual text in-between math-environments:

$\alpha^2 + \beta^2 = \gamma^2$

$$\alpha^2 + \beta^2 = \gamma^2 \tag{4}$$

the usual text in-between math-environments:

$\alpha^2 + \beta^2 = \gamma^2$

$$\alpha^2 + \beta^2 = \gamma^2$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2 \tag{5}$$
$$\alpha^2 + \beta^2 = \gamma^2 \tag{6}$$

Some more text after math-environments.

$$\alpha^2 + \beta^2 = \gamma^2$$
$$\alpha^2 + \beta^2 = \gamma^2$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2 \tag{7}$$
$$\alpha^2 + \beta^2 = \gamma^2 \tag{8}$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2$$
$$\alpha^2 + \beta^2 = \gamma^2$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2 \tag{9}$$
$$\alpha^2 + \beta^2 = \gamma^2 \tag{10}$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2$$
$$\alpha^2 + \beta^2 = \gamma^2$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2 \tag{11}$$
$$\alpha^2 + \beta^2 = \gamma^2 \tag{12}$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2$$
$$\alpha^2 + \beta^2 = \gamma^2$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2 \tag{13}$$
$$\alpha^2 + \beta^2 = \gamma^2 \tag{14}$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2$$
$$\alpha^2 + \beta^2 = \gamma^2$$

the usual text in-between math-environments:

$$\alpha^2 + \beta^2 = \gamma^2$$
$$\alpha^2 + \beta^2 = \gamma^2$$

Finally, some different text at the end.