

This is an inline formula $3 + 3$
 So is this: $3 + 3$
 This is a displayed equation, unnumbered.

$$3 + 3$$

So is this:

$$3 + 3$$

This is a displayed equation, numbered.

$$3 + 3 \tag{1}$$

So is this

$$3 + 3 \tag{2}$$

$$\begin{aligned} a &= b + c - d \\ &\quad + e - f \\ &= g + h \\ &= i \end{aligned} \tag{3}$$

$$\begin{aligned} a + b + c + d + e + f \\ + i + j + k + l + m + n \\ + o + p + q + r + s \end{aligned} \tag{4}$$

$$a_1 = b_1 + c_1 \tag{5}$$

$$a_2 = b_2 + c_2 - d_2 + e_2 \tag{6}$$

$$a_1 = b_1 + c_1 \tag{7}$$

$$a_2 = b_2 + c_2 - d_2 + e_2 \tag{8}$$

$$a_{11} = b_{11} \qquad a_{12} = b_{12} \tag{9}$$

$$a_{21} = b_{21} \qquad a_{22} = b_{22} + c_{22} \tag{10}$$

$$a_1 = b_1 + c_1 \qquad + e_1 - f_1 \tag{11}$$

$$a_2 = b_2 + c_2 - d_2 + e_2 \tag{12}$$

$$a_{11} = b_{11} \qquad \qquad \qquad a_{12} = b_{12} \qquad (13)$$

$$a_{21} = b_{21} \qquad \qquad \qquad a_{22} = b_{22} + c_{22} \quad (14)$$

$$a = b + c \qquad \qquad \qquad (15)$$

some intervening text

$$a = b + c \qquad \qquad \qquad (16a)$$

$$d = e + f + g \qquad \qquad \qquad (16b)$$

$$h = i + j \qquad \qquad \qquad (16c)$$

$$\begin{pmatrix} \alpha & \beta^* \\ \gamma^* & \delta \end{pmatrix} \qquad \qquad \qquad (17)$$

$$\frac{1}{k} \log_2 c(f), \quad \frac{1}{k} \log_2 c(f), \quad \frac{1}{k} \log_2 c(f) \qquad \qquad \qquad (18)$$

$$2^k - \binom{k}{1} 2^{k-1} + \binom{k}{2} 2^{k-2} \qquad \qquad \qquad (19)$$