

This sentence contains Einstein's equation  $E = mc^2$   
This equation shows up in a separate line with no numbering:

$$E = mc^2$$

This is a full equation:

$$E = mc^2 \tag{1}$$

This is a full series of equations aligned at the “=” sign:

$$E = mc^2 \tag{2}$$

$$m = \frac{E}{c^2} \tag{3}$$

$$c^2 = \frac{E}{m} \tag{4}$$