

Correct.

$$\frac{3x^2 + 7x + 2}{3x^2 - 8x - 3} = \frac{(3x + 1)(x + 2)}{(3x + 1)(x - 3)} = \frac{3x + 1}{3x + 1} \cdot \frac{x + 2}{x - 3}$$
$$= 1 \cdot \frac{x + 2}{x - 3}$$

The question mark stands for the number 2.