

$$M = 3x^2 - 2x(2x - 1) + 2$$

$$M = 3x^2 - 2x \times 2x - 2x \times -1 + 2$$

$$M = 3x^2 - 4x^2 + 2x + 2$$

$$M = -1x^2 + 2x + 2$$