

$A = 2x^2 + 5x - 1$, $B = -3x^2 + 4x - 7$ のとき

$$A + B =$$

$A = 2x^2 + 5x - 1$, $B = -3x^2 + 4x - 7$ のとき

$$\begin{aligned} A + B &= (2x^2 + 5x - 1) + (-3x^2 + 4x - 7) \\ &= 2x^2 + 5x - 1 \quad -3x^2 + 4x - 7 \\ &= \quad \quad \quad -x^2 + 9x - 8 \quad \boxed{\text{答}} \end{aligned}$$

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$$A - B =$$

$A = 2x^2 + 5x - 1$, $B = -3x^2 + 4x - 7$ のとき

$$\begin{aligned} A - B &= (2x^2 + 5x - 1) - (-3x^2 + 4x - 7) \\ &= 2x^2 + 5x - 1 + 3x^2 - 4x + 7 \\ &= 5x^2 + x + 6 \quad \boxed{\text{答}} \end{aligned}$$

$A = 2x^2 + 5x - 1$, $B = -3x^2 + 4x - 7$ のとき

$$4A - 2B$$

$A = 2x^2 + 5x - 1$, $B = -3x^2 + 4x - 7$ のとき

$$\begin{aligned} & 4A - 2B \\ = & 4(2x^2 + 5x - 1) - 2(-3x^2 + 4x - 7) \\ = & 8x^2 + 20x - 4 \quad + 6x^2 - 8x + 14 \\ = & 14x^2 + 12x + 10 \quad \boxed{\text{答}} \end{aligned}$$

$A = 2x^2 + 5x - 1$, $B = -3x^2 + 4x - 7$ のとき

$$2(A + 3B) - 3(A - B)$$

$A = 2x^2 + 5x - 1, B = -3x^2 + 4x - 7$ のとき

$$\begin{aligned} & 2(A + 3B) - 3(A - B) \\ = & 2A + 6B - 3A + 3B \\ = & -A + 9B \end{aligned}$$

$A = 2x^2 + 5x - 1$, $B = -3x^2 + 4x - 7$ のとき

$$\begin{aligned} & 2(A + 3B) - 3(A - B) \\ = & 2A + 6B - 3A + 3B \\ = & -A + 9B \\ = & -(2x^2 + 5x - 1) + 9(-3x^2 + 4x - 7) \\ = & -2x^2 - 5x + 1 - 27x^2 + 36x - 63 \\ = & -29x^2 + 31x - 62 \quad \boxed{\text{答}} \end{aligned}$$