

Try This 9 Possible Solutions

a. $-2(x - 5)(2x - 4) - (2x - 1)^2$

$$\begin{aligned} &= -2(x - 5)(2x - 4) - (2x - 1)(2x - 1) \\ &= -2(2x^2 - 4x - 10x + 20) - (4x^2 - 2x - 2x + 1) \\ &= -2(2x^2 - 14x + 20) - (4x^2 - 4x + 1) \\ &= -4x^2 + 28x - 40 - 4x^2 + 4x - 1 \\ &= -8x^2 + 32x - 41 \end{aligned}$$

b. $3(2a - 4b)(3a + 2b) + 5(4a - 1b)(4a + 1b)$

$$\begin{aligned} &= 3(6a^2 + 4ab - 12ab - 8b^2) + 5(16a^2 + 4ab - 4ab - 1b^2) \\ &= 3(6a^2 - 8ab - 8b^2) + 5(16a^2 - 1b^2) \\ &= 18a^2 - 24ab - 24b^2 + 80a^2 - 5b^2 \\ &= 98a^2 + 56ab - 29b^2 \end{aligned}$$