

$(2x+7)(x-4)-(x+5)(x-5)-x$ を因数分解しなさい。

$$\begin{aligned}& (2x+7)(x-4)-(x+5)(x-5)-x \\&= 2x^2-8x+7x-28-(x^2-25)-x \\&= 2x^2-x-28-x^2+25-x \\&= x^2-2x-3 \\&= (x+1)(x-3)\end{aligned}$$