

計算せよ

Date _____

Name _____

$$(1) \quad \frac{5x - 2}{7} + \frac{2x - 7}{8}$$

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$$(2) \quad - \frac{5x - 8}{3} - \frac{5x + 6}{4}$$

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$$(3) \quad - \frac{-8x - 9}{8} - \frac{5x - 7}{8}$$

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & \frac{5x - 2}{7} + \frac{2x - 7}{8} \\ &= \frac{8(5x - 2) + 7(2x - 7)}{56} \\ &= \frac{40x - 16 + 14x - 49}{56} \\ &= \frac{54x - 65}{56}\end{aligned}$$

$$\begin{aligned}(2) \quad & - \frac{5x - 8}{3} - \frac{5x + 6}{4} \\ &= \frac{-4(5x - 8) - 3(5x + 6)}{12} \\ &= \frac{-20x + 32 - 15x - 18}{12} \\ &= \frac{-35x + 14}{12}\end{aligned}$$

$$\begin{aligned}(3) \quad & - \frac{-8x - 9}{8} - \frac{5x - 7}{8} \\ &= \frac{-(-8x - 9) - (5x - 7)}{8} \\ &= \frac{8x + 9 - 5x + 7}{8} \\ &= \frac{3x + 16}{8}\end{aligned}$$