

計算せよ

Date _____

Name _____

$$(1) \quad - \frac{2x - 4}{7} - \frac{-8x + 7}{5}$$

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$$(2) \quad - \frac{6x + 2}{7} - \frac{8x - 2}{5}$$

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$$(3) \quad - \frac{-8x + 6}{5} - \frac{-5x + 8}{7}$$

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & -\frac{2x-4}{7} - \frac{-8x+7}{5} \\ &= \frac{-5(2x-4) - 7(-8x+7)}{35} \\ &= \frac{-10x+20+56x-49}{35} \\ &= \frac{46x-29}{35}\end{aligned}$$

$$\begin{aligned}(2) \quad & -\frac{6x+2}{7} - \frac{8x-2}{5} \\ &= \frac{-5(6x+2) - 7(8x-2)}{35} \\ &= \frac{-30x-10-56x+14}{35} \\ &= \frac{-86x+4}{35}\end{aligned}$$

$$\begin{aligned}(3) \quad & -\frac{-8x+6}{5} - \frac{-5x+8}{7} \\ &= \frac{-7(-8x+6) - 5(-5x+8)}{35} \\ &= \frac{56x-42+25x-40}{35} \\ &= \frac{81x-82}{35}\end{aligned}$$