

計算せよ

Date _____

Name _____

$$(1) \quad \frac{4x+7}{8} + \frac{-6x-4}{5}$$

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

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

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & \frac{4x+7}{8} + \frac{-6x-4}{5} \\ &= \frac{5(4x+7) + 8(-6x-4)}{40} \\ &= \frac{20x+35-48x-32}{40} \\ &= \frac{-28x+3}{40}\end{aligned}$$

$$\begin{aligned}(2) \quad & -\frac{4x+7}{7} + \frac{-4x-5}{5} \\ &= \frac{-5(4x+7) + 7(-4x-5)}{35} \\ &= \frac{-20x-35-28x-35}{35} \\ &= \frac{-48x-70}{35}\end{aligned}$$

$$\begin{aligned}(3) \quad & \frac{6x-6}{5} - \frac{-5x-8}{5} \\ &= \frac{(6x-6) - (-5x-8)}{5} \\ &= \frac{6x-6+5x+8}{5} \\ &= \frac{11x+2}{5}\end{aligned}$$