

計算せよ

Date _____

Name _____

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

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$$(2) \quad \frac{2x-2}{3} - \frac{3x-4}{3}$$

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

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & -\frac{-6x+7}{5} - \frac{5x-4}{7} \\ &= \frac{-7(-6x+7) - 5(5x-4)}{35} \\ &= \frac{42x - 49 - 25x + 20}{35} \\ &= \frac{17x - 29}{35}\end{aligned}$$

$$\begin{aligned}(2) \quad & \frac{2x-2}{3} - \frac{3x-4}{3} \\ &= \frac{(2x-2) - (3x-4)}{3} \\ &= \frac{2x - 2 - 3x + 4}{3} \\ &= \frac{-x + 2}{3}\end{aligned}$$

$$\begin{aligned}(3) \quad & -\frac{-6x-4}{5} - \frac{6x-4}{6} \\ &= \frac{-6(-6x-4) - 5(6x-4)}{30} \\ &= \frac{36x + 24 - 30x + 20}{30} \\ &= \frac{6x + 44}{30}\end{aligned}$$