

計算せよ

Date _____

Name _____

$$(1) \quad \frac{5x+7}{2} - \frac{3x-4}{4}$$

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

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$$(3) \quad -\frac{6x-5}{2} - \frac{4x+2}{7}$$

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & \frac{5x+7}{2} - \frac{3x-4}{4} \\ &= \frac{2(5x+7) - (3x-4)}{4} \\ &= \frac{10x+14-3x+4}{4} \\ &= \frac{7x+18}{4}\end{aligned}$$

$$\begin{aligned}(2) \quad & -\frac{-8x+5}{5} + \frac{7x+2}{8} \\ &= \frac{-8(-8x+5) + 5(7x+2)}{40} \\ &= \frac{64x-40+35x+10}{40} \\ &= \frac{99x-30}{40}\end{aligned}$$

$$\begin{aligned}(3) \quad & -\frac{6x-5}{2} - \frac{4x+2}{7} \\ &= \frac{-7(6x-5) - 2(4x+2)}{14} \\ &= \frac{-42x+35-8x-4}{14} \\ &= \frac{-50x+31}{14}\end{aligned}$$