

計算せよ

Date _____

Name _____

$$(1) \quad - \frac{-6x+9}{6} - \frac{7x+7}{4}$$

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

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$$(3) \quad \frac{-7x-5}{4} - \frac{4x+8}{3}$$

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & -\frac{-6x+9}{6} - \frac{7x+7}{4} \\ &= \frac{-2(-6x+9) - 3(7x+7)}{12} \\ &= \frac{12x - 18 - 21x - 21}{12} \\ &= \frac{-9x - 39}{12}\end{aligned}$$

$$\begin{aligned}(2) \quad & \frac{2x+3}{8} - \frac{2x-5}{5} \\ &= \frac{5(2x+3) - 8(2x-5)}{40} \\ &= \frac{10x + 15 - 16x + 40}{40} \\ &= \frac{-6x + 55}{40}\end{aligned}$$

$$\begin{aligned}(3) \quad & \frac{-7x-5}{4} - \frac{4x+8}{3} \\ &= \frac{3(-7x-5) - 4(4x+8)}{12} \\ &= \frac{-21x - 15 - 16x - 32}{12} \\ &= \frac{-37x - 47}{12}\end{aligned}$$