

計算せよ

Date _____

Name _____

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

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

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

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & -\frac{4x+6}{7} + \frac{-7x+8}{5} \\ &= \frac{-5(4x+6) + 7(-7x+8)}{35} \\ &= \frac{-20x - 30 - 49x + 56}{35} \\ &= \frac{-69x + 26}{35}\end{aligned}$$

$$\begin{aligned}(2) \quad & -\frac{6x+5}{7} - \frac{2x+3}{6} \\ &= \frac{-6(6x+5) - 7(2x+3)}{42} \\ &= \frac{-36x - 30 - 14x - 21}{42} \\ &= \frac{-50x - 51}{42}\end{aligned}$$

$$\begin{aligned}(3) \quad & \frac{4x+4}{3} - \frac{2x-5}{2} \\ &= \frac{2(4x+4) - 3(2x-5)}{6} \\ &= \frac{8x+8 - 6x+15}{6} \\ &= \frac{2x+23}{6}\end{aligned}$$