

計算せよ

Date _____

Name _____

$$(1) \quad \frac{5x - 3}{7} - \frac{5x + 7}{8}$$

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$$(2) \quad - \frac{7x + 6}{3} + \frac{- 8x + 5}{2}$$

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

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & \frac{5x - 3}{7} - \frac{5x + 7}{8} \\ &= \frac{8(5x - 3) - 7(5x + 7)}{56} \\ &= \frac{40x - 24 - 35x - 49}{56} \\ &= \frac{5x - 73}{56}\end{aligned}$$

$$\begin{aligned}(2) \quad & - \frac{7x + 6}{3} + \frac{- 8x + 5}{2} \\ &= \frac{- 2(7x + 6) + 3(- 8x + 5)}{6} \\ &= \frac{- 14x - 12 - 24x + 15}{6} \\ &= \frac{- 38x + 3}{6}\end{aligned}$$

$$\begin{aligned}(3) \quad & \frac{- 3x - 6}{5} - \frac{- 4x - 5}{5} \\ &= \frac{(- 3x - 6) - (- 4x - 5)}{5} \\ &= \frac{- 3x - 6 + 4x + 5}{5} \\ &= \frac{x - 1}{5}\end{aligned}$$