

計算せよ

Date _____

Name _____

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

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

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

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計算せよ（解答）

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$$\begin{aligned}(1) \quad & \frac{7x+4}{5} + \frac{-5x+8}{7} \\ &= \frac{7(7x+4) + 5(-5x+8)}{35} \\ &= \frac{49x+28-25x+40}{35} \\ &= \frac{24x+68}{35}\end{aligned}$$

$$\begin{aligned}(2) \quad & \frac{4x-6}{5} + \frac{-3x-7}{5} \\ &= \frac{(4x-6) + (-3x-7)}{5} \\ &= \frac{4x-6-3x-7}{5} \\ &= \frac{x-13}{5}\end{aligned}$$

$$\begin{aligned}(3) \quad & \frac{-4x-8}{3} + \frac{-7x-7}{8} \\ &= \frac{8(-4x-8) + 3(-7x-7)}{24} \\ &= \frac{-32x-64-21x-21}{24} \\ &= \frac{-53x-85}{24}\end{aligned}$$