

次の方程式を解け

Date _____

Name _____

$$(1) \quad -\frac{3x-7}{6} - \frac{2x-2}{7} = -2$$

$$(2) \quad \frac{2x-9}{2} - \frac{-7x-6}{8} = -5$$

次の方程式を解け（解答）

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$$(1) \quad -\frac{3x-7}{6} - \frac{2x-2}{7} = -2$$

$$-7(3x-7) - 6(2x-2) = -84$$

$$-21x + 49 - 12x + 12 = -84$$

$$-21x - 12x = -84 - 49 - 12$$

$$-33x = -145$$

$$x = 145/33$$

$$(2) \quad \frac{2x-9}{2} - \frac{-7x-6}{8} = -5$$

$$4(2x-9) - (-7x-6) = -40$$

$$8x - 36 + 7x + 6 = -40$$

$$8x + 7x = -40 + 36 - 6$$

$$15x = -10$$

$$x = -2/3$$

