

【1】 次の計算をせよ。

$$(1) \quad x + 0.2x \\ = 1.2x$$

$$(2) \quad \frac{3}{2}a - a \\ = \frac{1}{2}a$$

$$(3) \quad 0.5a + 0.4a \\ = 0.9a$$

$$(4) \quad \frac{1}{2}x - \frac{1}{3}x \\ = \frac{3x - 2x}{6} = \frac{1}{6}x$$

$$(5) \quad 0.2x - (-0.5x + 3) \\ = 0.2x + 0.5x - 3 \\ = 0.7x - 3$$

$$(6) \quad -\frac{3}{4}a - \left(2a - \frac{1}{2}\right) \\ = -\frac{3}{4}a - \frac{8}{4}a + \frac{1}{2} \\ = -\frac{11}{4}a + \frac{1}{2}$$

$$(7) \quad (2.5x + 0.2y - 1) + (1.8x - 0.9y + 0.6) \\ = 2.5x + 0.2y - 1 + 1.8x - 0.9y + 0.6 \\ = 4.3x - 0.7y - 0.4$$

$$(8) \quad \left(\frac{3}{4}a + \frac{2}{3}x - \frac{1}{3}\right) - \left(\frac{5}{3}a - \frac{5}{6}x + \frac{11}{3}\right) \\ = \frac{3}{4}a + \frac{2}{3}x - \frac{1}{3} - \frac{5}{3}a + \frac{5}{6}x - \frac{11}{3}$$

$$= \frac{9a - 20a}{12} + \frac{4x + 5x}{6} - \frac{12}{3} \\ = -\frac{11}{12}a + \frac{4}{6}x - 4 \\ = -\frac{11}{12}a + \frac{3}{2}x - 4$$

$$(9) \quad -\left(0.5a + \frac{3}{10}b\right) - \left(0.7a - \frac{7}{6}b\right) \\ = -0.5a - \frac{3}{10}b - 0.7a + \frac{7}{6}b \\ = -1.2a + \frac{-9b + 35b}{30} = -1.2a + \frac{26}{30}b = -1.2a + \frac{13}{15}b$$

$$(10) \quad \left(\frac{3}{14}x + \frac{1}{2}y + \frac{13}{10}\right) - \left(\frac{8}{21}x - \frac{1}{8}y + \frac{7}{15}\right) \\ = \frac{3}{14}x + \frac{1}{2}y + \frac{13}{10} - \frac{8}{21}x + \frac{1}{8}y - \frac{7}{15} = \frac{9x - 16x}{42} + \frac{4y + y}{8} + \frac{39 - 14}{30} \\ = -\frac{7}{42}x + \frac{5}{8}y + \frac{25}{30} \\ = -\frac{1}{6}x + \frac{5}{8}y + \frac{5}{6}$$

YouTubeチャンネルも見てね▶『ふじわら塾長』で検索!!

