四則混合の計算2

正負の数の計算　NO.2

学習日　月　日　名前　／8　点

◆　次の計算をしなさい。

① $(-2)^2 \times \{(-5)+(-3)\} - (-4)^2$

② $\{(-5)-(-2)^2\} \times (-3)+7$

③ $(-1)^5 + (-3)^2 \times (-2) - (-8)$

④ $\frac{3}{4} \times (-8) - \frac{5}{8} \div \left(-\frac{5}{12}\right)$

⑤ $\left(-\frac{3}{2}\right)^2 \times (-2) - \frac{5}{3} \times (-6)$

⑥ $(-6)+\{(-2)^3-(-5)\} \times (-1)$

⑦ $\frac{1}{6}+\left(-\frac{1}{2}\right)^3 \div \frac{3}{4}$

⑧ $(-4)^2 - \{(-1)^6+(-3)^2\} \times (-2)$

解答

① $4 \times (-8) - 16 = -32 - 16 = -48$

② $\{(-5) - 4\} \times (-3) + 7$

$= -9 \times (-3) + 7 = 27 + 7 = 34$

③ $(-1) + 9 \times (-2) - (-8)$

$= (-1) + (-18) + 8 = -11$

④ $-6 - \frac{5}{8} \times \left(-\frac{12}{5}\right)$

$= -6 - \left(-\frac{3}{2}\right) = -\frac{12}{2} + \frac{3}{2} = -\frac{9}{2}$

⑤ $\frac{9}{4} \times (-2) - (-10) = -\frac{9}{2} + \frac{20}{2} = \frac{11}{2}$

⑥ $(-6) + (-8 + 5) \times (-1)$

$= -6 + (-3) + (-1) = -6 + 3 = -3$

⑦ $\frac{1}{6} + \left(-\frac{1}{8}\right) \times \frac{4}{3} = \frac{1}{6} - \frac{1}{6} = 0$

⑧ $16 - \{1 + 9\} \times (-2)$

$= 16 - 10 \times (-2) = 16 - (-20) = 36$