四則混合の計算2

正負の数の計算　NO.3

学習日　月　日　名前　／8　点

◆　次の計算をしなさい。

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

② $\{(-7)-(-3)^3\} \div (-4)+(-2)$

③ $(-3)^3+(-2)^2 \times (-5)-(-1)^8$

④ $\frac{3}{4} \times (-8)+\frac{9}{10} \div \left(-\frac{3}{20}\right)$

⑤ $\left(-\frac{2}{3}\right)^2 \times (-6)-\frac{3}{4} \times (-12)$

⑥ $(-3) \times \{5-(-3)^2\}+(-2)^2$

⑦ $\frac{1}{4}+\left(-\frac{2}{3}\right)^2 \div \frac{8}{9}$

⑧ $(-3)^3-\{(-2)^2+(-1)^5\} \times (-4)$

解答

① $-8 \times (-4) - 36 = 32 - 36 = -4$

② $\{(-7) - (-27)\} \div (-4) + (-2)$

$= 20 \div (-4) + (-2)$

$= -5 + (-2) = -7$

③ $(-27) + 4 \times (-5) - 1$

$= (-27) + (-20) - 1 = -48$

④ $-6 + \frac{9}{10} \times (-\frac{20}{3})$

$= -6 + (-6) = -12$

⑤ $\frac{4}{9} \times (-6) - (-9) = -\frac{8}{3} + \frac{27}{3} = \frac{19}{3}$

⑥ $(-3) \times (5 - 9) + 4$

$= -3 \times (-4) + 4 = 12 + 4 = 16$

⑦ $\frac{1}{4} + \frac{4}{9} \times \frac{9}{8} = \frac{1}{4} + \frac{1}{2} = \frac{1}{4} + \frac{2}{4} = \frac{3}{4}$

⑧ $-27 - \{4 + (-1)\} \times (-4)$

$= -27 - 3 \times (-4) = -27 - (-12) = -15$