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| 問題番号<br>07M01_K3L2_2<br>レベル<br>☆☆★ | うんな進学塾<br>中1 第1章 多項式の計算<br>⑤～⑦練習問題 Level-2-2 解答 | うんな進学塾HP<br> |
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## 1. 次の計算をしなさい。

$$(1) 6 - 2 \times (-1)^2 = 6 - 2 \times 1 = 6 - 2 = 4$$

$$(2) (-3)^2 + 1^2 = 9 + 1 = 10$$

$$(3) 2 - \frac{(-5)^2}{5} = 2 - \frac{25}{5} = 2 - 5 = -3$$

$$(4) \frac{(-2)^3}{2} - 3 \times (-2)^2 = \frac{-8}{2} - 3 \times 4 = -4 - 12 = -16$$

$$(5) (-1)^2 \times 7 + \frac{3^2}{2^2} = 7 + \frac{9}{4} = \frac{28}{4} + \frac{9}{4} = \frac{37}{4}$$

$$(6) (-4 - (-2)) \times 3 - 5 + (-3)^2 - \frac{16}{-2} = (-2) \times 3 - 5 + 9 + 8 = -6 - 5 + 17 = 6$$

$$(7) 2((-0.25)^2 - 0.01) - \frac{16 \times (-0.5)^2}{0.125} = 2\left(\left(\frac{1}{4}\right)^2 - \frac{1}{100}\right) - \frac{16 \times \left(\frac{1}{2}\right)^2}{\frac{1}{8}} = 2\left(\frac{1}{16} - \frac{1}{100}\right) - \frac{16 \times \frac{1}{4}}{\frac{1}{8}}$$

$$= 2\left(\frac{25-4}{400}\right) - \frac{4}{\frac{1}{8}} = 2 \times \frac{21}{400} - 32 = \frac{42}{400} - 32 = \frac{21}{200} - 32 = -\frac{6379}{200}$$

$$(8) \left(\frac{(-2)^2}{1}\right) \times 3^2 - \frac{4 \times 1^3 \times (-1)^2}{1} = 4 \times 9 - 4 = 36 - 4 = 32$$

|                    |        |                         |         |
|--------------------|--------|-------------------------|---------|
| (1) 4              | (2) 10 | (3) -3                  | (4) -16 |
| (5) $\frac{37}{4}$ | (6) 6  | (7) $-\frac{6379}{200}$ | (8) 32  |