

中1~第6回累乗の計算~

氏名:

解答・解説

例題 次の計算をなさい。

(1) $3^2 = 3 \times 3 = 9$

(2) $(-3)^2 = (-3) \times (-3) = +9$

(3) $-3^2 = -3 \times 3 = -9$

(4) $\left(-\frac{1}{2}\right)^4 = \left(-\frac{1}{2}\right) \times \left(-\frac{1}{2}\right) \times \left(-\frac{1}{2}\right) \times \left(-\frac{1}{2}\right)$
 $= +\frac{1}{16}$

(5) $-(-0.1)^3 = -(-0.1) \times (-0.1) \times (-0.1)$
 $= -(-0.001)$
 $= +0.001$

(6) $-2 \times (-3)^2 = -2 \times 9 = -18$

(7) $(-5)^2 \times (-2^4) = 25 \times (-16)$
 $= -400$

(8) $-3^2 \times (-1)^{2020} = -9 \times 1 = -9$