

計算する順番

① 指数

② ()の中

③ かけ算・わり算

④ たし算・ひき算

$$\begin{aligned}
 \textcircled{1} & \quad (-2)^3 - 3^2 + 5 \\
 & = -8 - 9 + 5 \\
 & = -17 + 5 \\
 & = -12
 \end{aligned}$$

$(-2)^3 = (-2) \times (-2) \times (-2) = -8$
 $-3^2 = -(3 \times 3) = -9$
 たし算・ひき算の計算

$$\begin{aligned}
 \textcircled{2} & \quad -7^2 - (-5^2) \times 2 \\
 & = -49 - (-25) \times 2 \\
 & = -49 + 50 \\
 & = +1
 \end{aligned}$$

$-7^2 = -(7 \times 7) = -49$
 $-5^2 = -(5 \times 5) = -25$
 かけ算の計
 たし算・ひき算の計算

$$\begin{aligned}
 \textcircled{3} & \quad -4^2 \times 2 - 40 \div (-1)^3 \\
 & = -16 \times 2 - 40 \div (-1) \\
 & = -32 + 40 \\
 & = +8
 \end{aligned}$$

$-4^2 = -(4 \times 4) = -16$
 $(-1)^3 = (-1) \times (-1) \times (-1) = -1$
 かけ算・わり算の計算
 たし算・ひき算の計算

$$\begin{aligned}
 \textcircled{4} & \quad 12 - (6 - 2^2) \times (-3) \\
 & = 12 - (6 - 4) \times (-3) \\
 & = 12 - (+2) \times (-3) \\
 & = 12 + 6 \\
 & = 18
 \end{aligned}$$

$-2^2 = -(2 \times 2) = -4$
 ()の中の計算
 かけ算の計算
 たし算の計算

$$\begin{aligned}
 \textcircled{5} & \quad -5 \times (-2^3 + 6) - (-4)^2 \\
 & = -5 \times (-8 + 6) - (+16) \\
 & = -5 \times (-2) - 16 \\
 & = 10 - 16 \\
 & = -6
 \end{aligned}$$

$-2^3 = -(2 \times 2 \times 2) = -8$
 $(-4)^2 = (-4) \times (-4) = +16$
 ()の中の計算
 かけ算の計算
 ひき算の計算