

$x = -2$, $y = 3$ のとき, $\left(-\frac{3}{2}x^3y\right) \div 2xy \times \frac{2}{3}y$ の値を求めなさい。

$$\begin{aligned}\left(-\frac{3}{2}x^3y\right) \div 2xy \times \frac{2}{3}y &= -\frac{3}{2} \times \frac{2}{3} \times \frac{x^3y \times y}{2xy} \\ &= -\frac{1}{2}x^2y\end{aligned}$$

$x = -2$, $y = 3$ を代入して

$$\begin{aligned}-\frac{1}{2}x^2y &= -\frac{1}{2} \times (-2)^2 \times 3 \\ &= -\frac{1}{2} \times 4 \times 3 \\ &= -6\end{aligned}$$