

入試対策プリント（計算等基本問題）6日目 解答と解説

【解答】 (1)  $-1$  (2)  $\frac{7}{6}$  (3)  $-24a^2b$  (4)  $8+2\sqrt{3}$

$$\begin{aligned}(1) \quad & 6-9-(-2) \\ & =6-9+2 \\ & =6+2-9 \\ & =8-9 \\ & =-1\end{aligned}$$

$$\begin{aligned}(2) \quad & \left(-\frac{2}{5}+\frac{4}{3}\right)\div\frac{4}{5} \\ & =\left(-\frac{6}{15}+\frac{20}{15}\right)\times\frac{5}{4} \\ & =\frac{14}{15}\times\frac{5}{4} \\ & =\frac{7}{6}\end{aligned}$$

$$\begin{aligned}(3) \quad & (-3a)^2\div 6ab\times(-16ab^2) \\ & =9a^2\div 6ab\times(-16ab^2) \\ & =-\frac{9a^2\times 16ab^2}{6ab} \\ & =-24a^2b\end{aligned}$$

$$\begin{aligned}(4) \quad & (\sqrt{3}+1)(\sqrt{3}+5)-\sqrt{48} \\ & =(\sqrt{3})^2+6\sqrt{3}+5-4\sqrt{3} \\ & =3+6\sqrt{3}+5-4\sqrt{3} \\ & =8+2\sqrt{3}\end{aligned}$$