

1. 다음 식을 간단히 한 것 중 옳은 것은?

① $(a^3)^3 = a^6$

② $(a^2)^3 \times a^3 = a^8$

③ $(x^3)^2 \times (y^3)^3 = x^6y^9$

④ $a^2 \times (b^2)^3 = a^2b^5$

⑤ $(a^2)^3 \times (b^3)^2 = a^5b^5$

해설

① $(a^3)^3 = a^9$

② $(a^2)^3 \times a^3 = a^6 \times a^3 = a^{6+3} = a^9$

③ $(x^3)^2 \times (y^3)^3 = x^6y^9$

④ $a^2 \times (b^2)^3 = a^2b^6$

⑤ $(a^2)^3 \times (b^3)^2 = a^6b^6$