1. $a^m \times a^n$	8^5
2. $a^m \div a^n$	5^2
3. $(a^m)^n$	8^{12}
4. $a^m \times b^m$	$\frac{a^m}{b^m}$
5. $\left(\frac{a}{b}\right)^m$	$(a \times b)^m$
6. $5^7 \times 5^3$	21^6
7. $\frac{5^8}{5^6}$	a^{m-n}
8. $(8^3)^4$	$a^{m \times n}$
9. $7^6 \times 3^6$	5^{10}
10. $72^5 \div 9^5$	a^{m+n}