

20	64k ³⁰	243c ⁵	4p ¹⁰ q ⁸
100	-64k ³⁰	8y ⁷	4x ⁵ y ²
100	-2k ³⁰	16x ¹⁰ y ¹⁶	-32x ¹⁰ y ⁴
24	-32t ⁵	10x ⁹ y ⁷	a ^{3x}
216	125x ³	x ¹⁸	x ⁿ⁺²
216	36x ⁶	3125a ⁴ b ⁵	a ^{3x}
x ¹¹	16t ¹⁶	-7a ¹²	a ^{2xy}
x ²⁸	32x ¹⁰ y ⁵	-8a ²⁴	8x ⁸ⁿ
x ²⁸	125p ⁹ q ¹²	5p ⁵ q ⁴	3t ^{5mn}

2b) $(5y)^2$
 $(5 \cdot 2)^2$
 10^2
 100

26) $(2x^2y^3)^4(-xy^2)^2$
 $2^4x^8y^{12} \cdot x^2y^4$
 $16x^{10}y^{16}$

4a) xy^3
 $3 \cdot 2^3$
 $3 \cdot 8$
 $= 24$

18) $(2xy)^5$
 $2^5x^5y^5$
 $32x^5y^5$

24) $(\frac{1}{2}y)^2(2y)^5$
 $\frac{1^2}{2^2}y^2 \cdot 2^5y^5$
 $\frac{1}{4}y^2 \cdot 32y^5$
 $8y^7$

10) $(-2t)^5$
 -2^5t^5
 $-32t^5$

20) $(5p^3q^4)^3$
 $5^3p^9q^{12}$
 $125p^9q^{12}$

30) $[(-x^3)^2]^3$
 $(x^6)^3$
 x^{18}

24) $(\frac{1}{2}y)^2(2y)^5$
 $\frac{1^2}{2^2}y^2 \cdot 2^5y^5$
 $\frac{1}{4}y^2 \cdot 32y^5$
 $8y^7$

28) $(\frac{1}{10}x^3y)^3(10y)^4$
 $\frac{1}{1000}x^9y^3 \cdot 10,000y^4$
 $10x^9y^7$

10) $(-2t)^5$
 -2^5t^5
 $-32t^5$

20) $(5p^3q^4)^3$
 $5^3p^9q^{12}$
 $125p^9q^{12}$

24) $(\frac{1}{2}y)^2(2y)^5$
 $\frac{1^2}{2^2}y^2 \cdot 2^5y^5$
 $\frac{1}{4}y^2 \cdot 32y^5$
 $8y^7$

28) $(\frac{1}{10}x^3y)^3(10y)^4$
 $\frac{1}{1000}x^9y^3 \cdot 10,000y^4$
 $10x^9y^7$

16) $(-2t^4)^4$
 2^4t^{16}
 $16t^{16}$

42) $x^n \cdot x^2$
 x^{n+2}

26) $(2x^2y^3)^4(-xy^2)^2$
 $(2^4x^8y^{12})(x^2y^4)$
 $16x^{10}y^{16}$

36) $P(-Pq)^4$; $P^3(2pq^2)^2$
 $P(P^4q^4)$ $P^3(4p^2q^4)$
 P^5q^4 $4p^5q^4$

46) $(a^x)^6(a^y)^x$
 $a^{xy} \cdot a^{xy}$
 a^{xy+xy}
 a^{2xy}

a) $p^5q^4 \cdot 4p^5q^4$
 $5p^5q^4$

b) $p^5q^4 \cdot 4p^5q^4$
 $4p^{10}q^8$