Codeyoung

Concept HW_Grade-6_ Factors, Multiples, Primes and Exponents

Laws of Exponents

Original	Expand it!	Simplified Expression
$x^4 \cdot x^2$		
$(m^2p)(m^2p^4)$		
$2x^3 \cdot 7x \cdot 5x^3$		
$(6a^2b)(4a^3b)$		
$(-a^4)(-3a^3)$		

c) Simplify.

i) $x^{42} \cdot x^{17}$

ii) $x^9 \cdot x^7 \cdot x^4 \cdot x^{11}$

iii) $(7x^4) \cdot (-2x^8)$

iv) $(-6x^3) \cdot (2x^7) \cdot (-x^4)$

v) $(5x^8p^2) \cdot (9xp^3)$

vi) $7a^5bc^8 \cdot 4abc^3$

Multiply the polynomials.

1. $c \cdot c^2 \cdot c^3 =$

2. $e \cdot e^2 \cdot e^3 \cdot e^4 \cdot e^5 =$

3. $a^3 \cdot a^4 \cdot a^7 \cdot a =$

4. $(3xy^2)(2x^2y^3) =$

5. $(2a^2b)(4ab^2) =$

6. $(5f)(-3f^3)(2f) =$

LIVEWORKSHEETS