

BE-1B WEDNESDAY 10-25-06

FIND THE DEGREE OF EACH POLYNOMIAL:

① $-3xyz^2 + 4x^4y + \underline{x^6} - 3$

② $\underline{x^4} + 5^{12}$

③ $\frac{x^3}{y^4}$

CONVERT TO SCIENTIFIC NOTATION:

④ 986×10^{-5}

⑤ 27×10^3

TAKE OUT Pg. 434 Homework

Pg. 435 #24.

CH. 8-5 ADDING / SUBTRACTING POLYNOMIALS ①

{EX 1 Pg 439}

$$(3x^2 - 4x + 8) + (2x - 7x^2 - 5)$$

$$\underline{3x^2} \quad \underline{-4x} + 8 \quad \underline{+2x} \quad \underline{-7x^2} \quad \underline{-5}$$

$$\boxed{-4x^2 - 2x + 3}$$

{EX 2 Pg 440}

$$(3N^2 + 13N^3 + 5N) - (7N + 4N^3)$$

CHANGE ALL SIGNS IN PARENTHESES.

$$\underline{3N^2} + 13N^3 + 5N - 7N - 4N^3$$

↑ ↑

$$\boxed{3N^2 + 9N^3 - 2N}$$

Pg. 441 # 4-9.

12-23

- DEFINE Monomial
- DEFINE Polynomial