UNIT 7. DAY 1 HW
AN INTRO TO POLYNOMIALS

Rewriting Polynomials: Write the polynomial so that the exponents decrease from the left to right. Identify the degree and leading coefficient of the polynomial: $5z + 2z^3 - z^2 + 3z^4$

$3z^4 + 2z^3 - z^2 + 5z$

Degree: 4
leading coef: 3

Identify and Classifying Polynomials: Tell whether the expression is a polynomial. If it is a polynomial, find its degree and classify it by the number of its terms. Otherwise, tell why it is not a polynomial:

1. -4^x No!

variable in the exponent

2. $3x-5$ Yes!

Degree: linear
Terms: Binomial

3. $6 - n^2 + 5n^3$ Yes!

Degree: Cubic
Terms: Trinomial

Book Work. Yes you need to open your book up.

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23. $(5y+4)+(-2y+6)$

$3y+10$

25. $(2n^2-5n-6)+(-n^2-3n+11)$

n^2-8n+5

31. $(d-9)-(3d-1)$

$d-9-3d+1$

$-2d-8$

33. $(y^2-4y+9)-(3y^2-6y-9)$

$y^2-4y+9-3y^2+6y+9$

$-2y^2+2y+18$