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| \*Learning Target: |
| \*Critical Content: |

-polynomial-

-monomial-

-binomial-

-trinomial-

-degree of a polynomial-

Ex1: Determine if each expression is a monomial, binomial, trinomial, or neither. If it is a polynomial, find the degree.

a) b) c) d)

Ex2: Find the degree of the following polynomials: a) b) c)

-standard form of a polynomial-

-leading coefficient-

Ex3: Write the following polynomial in standard form   
and identify the leading coefficient.

a) b)

Ex4: From 2000 through 2006, the number U of skateboards (in thousands) produced at a manufacturing plant can e modeled by the equation where *t* is the number of years since 2000. How many skateboards were produced in 2002?

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| **Determine whether each expression is a polynomial. If so, identify the polynomial as a monomial, binomial, or trinomial.** | | | |
| 1) | 2) | 3) | 4) |
| **Find the degree of each of the following polynomials.** | | | |
| 5) | 6) | 7) | 8) |
| **Write each polynomial in standard form. Identify the leading coefficient.** | | | |
| 9) | 10) | 11) | 12) |
| 13) | 14) | 15) | 16) |
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| 17) A firework shell is launches two feet from the ground at a speed of 150 feet per second. The height *H* of the firework shell is modeled by the equation , where *t* is the time in seconds. | | | |
| a) How high will the firework be after 3 seconds? | | | |
| b) How high will the firework be after 5 seconds? | | | |