

UNIT 2 - REVIEW

Correct Factoring Quiz

Review:

Jargon...monomial, binomial, trinomial, etc.

degree of a polynomial $2a^2b^3 - 6a^6b + 9a^4b^2$ [Ans. Degree=7, Do you know why?]

Prime factorization (product of primes) 72 [Ans. = $2 \times 2 \times 2 \times 3 \times 3$]

Expanding Expressions (including Exponent Laws) $3a^4b^6(6a^5b^2 + 9a^3b)$, $-2(3x-4)^2$

Common Factoring $21x^2 + 7x$, $5x(x+2) + 6(x+2)$

(If first term is negative) $-6x^8 + 8x^{10} - 12x^4$

(opposites) $3y(y-5) + 4(5-y)$

Simple Trinomials $x^2 - 7x - 18$, $x^2 + 3x - 40$, $x^2 + 11x + 18$

Complex Trinomials -Product/Sum Method $12x^2 - 16x - 3$

-Australian Method $6x^2 - 19x + 10$

Perfect-Square Trinomials $49x^2 - 28x + 4$

Difference of Squares $25y^2 - 81$

Also: The area, A , of the figure is given. Determine the unknown measurement.

$$A = 12x^2 + 48x$$

A diagram of a triangle. A dashed vertical line extends from the top vertex to the base, representing the height. The height is labeled $6x$. The base of the triangle is labeled "base?".

Homework: p. 120 # 1ac, 3bd, 4, 5, 9, 13, 16, 18, 19