MATH 104 REVIEW FOR THE MIDTERM

MATH 104 Quiz 01 Review

Exponents and their properties

PENDAS (ORDER OF OPERATIONS)

ABSOLUTE VALUE EXPRESSION

DISTRIBUTIVE PROPERTY

POLYNOMIALS

EVALUATION OF THER ZERO PROPERTY

(ADD)(SUBTRACT)(MULTIPLY)(DIVISION) OF POLYNOMIALS

MATH 104 Quiz 02 Review

FACTORING POLNOMIALS GCF

X^2 +bx+c

SOLVE QUADRATIC EQUATIONS BY FACTORING

FACTORING TRINOMIALS

FACTOR OUT A COMMON CONSTANT

LINES

LINEAR EQUATIONS

SLOPE FORMULA

X AND Y INTERCEPTS

PARALLEL LINES AND SLOPES

PERPENDICULAR LINES AND THEIR SLOPES

HOW TO GRAPH LINES AND THEIR PROPERTIES

ASSIGMENTS USED FOR THE MIDTERM

HW 01

    REAL NUMBERS

    SETS

HW 02 = QUIZ 01

HW 03 = QUIZ 02

HW 04 = QUIZ 02

    POLYNOMIALS

      RATIONAL EXPRESIONS AND RESTRICTED VALUES FOR DENOMINATOR

    SPECIAL PROPERTIES OF FACTORING

      DIFFERENCE OF TWO SQUARES

$$(a^2 - b^2) = (a + b)(a - b)$$

$$X^2 - 100 \rightarrow (x + 10)(x - 10)$$

      DIFFERENCE OF CUBES

$$(a^3 + b^3) = (a + b)(a^2 - ab + b^2)$$

$$x^3 + 8 \rightarrow (x + 2)(x^2 - 2x + (2)^2) \rightarrow \boldsymbol{(x - 2)(x^2 - 2x + 4)}$$

$$(a^3 - b^3) = (a - b)(a^2 + ab + b^2)$$

$$x^3 - 8 \rightarrow (x - 2)(x^2 - 2x + (-2)^2) \rightarrow \boldsymbol{(x - 2)(x^2 + 2x + 4)}$$