

REMEDIAL ACTIVITIES IN MATH 8 – TERM 1

Name: _____

Grade & Section: _____

Date: _____

ACTIVITY 1: Mean, Median, and Mode

Direction: Find the mean, median, or mode.

No.	Given Numbers	Find	Answer
1	2, 4, 6	Mean	_____
2	3, 5, 7	Median	_____
3	2, 4, 4, 5	Mode	_____

Example: 2, 4, 6 $\rightarrow$ Mean = $(2 + 4 + 6) \div 3 = 4$

ACTIVITY 2: Multiplication of Monomial to Binomial

Direction: Multiply.

No.	Expression	Answer
1	$2(x + 3)$	_____
2	$3(x + 2)$	_____
3	$4(a + 1)$	_____
4	$5(y - 2)$	_____
5	$2(m - 4)$	_____

Example: $2(x + 3) = 2x + 6$

ACTIVITY 3: Multiplication of Binomial to Binomial

Direction: Multiply.

No.	Expression	Answer
1	$(x + 1)(x + 2)$	_____
2	$(x + 2)(x + 3)$	_____
3	$(a + 1)(a + 4)$	_____
4	$(y + 2)(y - 1)$	_____
5	$(m - 1)(m - 2)$	_____

Example: $(x + 1)(x + 2) = x^2 + 3x + 2$

ACTIVITY 4: Factoring Difference of Two Squares

Direction: Factor completely.

No.	Expression	Answer
1	$x^2 - 4$	_____
2	$x^2 - 9$	_____
3	$a^2 - 16$	_____
4	$y^2 - 25$	_____
5	$m^2 - 36$	_____

Example: $x^2 - 4 = (x - 2)(x + 2)$

ACTIVITY 5: Perfect Square Trinomial

Direction: Fill in the blank.

No.	Expression	Answer
1	$x^2 + 2x + \underline{\hspace{1cm}} = (x + 1)^2$	_____
2	$x^2 + 4x + \underline{\hspace{1cm}} = (x + 2)^2$	_____
3	$x^2 + 6x + \underline{\hspace{1cm}} = (x + 3)^2$	_____
4	$x^2 - 4x + \underline{\hspace{1cm}} = (x - 2)^2$	_____
5	$x^2 - 6x + \underline{\hspace{1cm}} = (x - 3)^2$	_____

Example: $x^2 + 2x + 1 = (x + 1)^2$

ACTIVITY 6: Addition of Rational Expressions with the Same Denominator

Direction: Add and simplify.

No.	Expression	Answer
1	$2/x + 3/x$	_____
2	$4/y + 2/y$	_____
3	$1/a + 5/a$	_____
4	$3/m + 4/m$	_____
5	$2/n + 6/n$	_____

Example: $2/x + 3/x = 5/x$

ACTIVITY 7: Multiplication of Rational Expressions

Direction: Multiply and simplify.

No.	Expression	Answer
1	$(2/x)(3/y)$	_____
2	$(a/2)(4/b)$	_____
3	$(3/m)(2/n)$	_____
4	$(x/5)(10/y)$	_____
5	$(4/a)(b/2)$	_____

Example: $(2/x)(3/y) = 6/xy$

Teacher's Name and Signature: _____

Student's Name and Signature: _____

Parent's Name and Signature: _____