

UNIT 4: QUADRATIC EXPRESSIONS

Day	Topic	Practice
1	Algebraic Expressions Review	- Distributive Property - Collecting "Like Terms" - Exponent Rules - Evaluate Algebraic Expressions - Factors - Integers – sum and product
2	Multiplying Binomials Special Products	Multiplying Binomials: FOIL Special Products: $(a + b)^2$ and $(a + b)(a - b)$
3	Common Factoring - GCF	Find the GCF of each term, then divide
4	Factoring: Difference of Squares	$(a^2 - b^2) = (a + b)(a - b)$
5	Factoring Trinomials	Product / Sum Method
6	Algebraic Expressions Assignment	Putting it all together!
7	Practice Test	Manipulate Algebraic Expressions!
8	UNIT TEST	

$(x+4)(x-1)$
 $x^2 + 3x - 4$

Expand (blue arrow from left to right)

Factor (yellow arrow from right to left)



$n^2 + 7n + 10$

Add to (red box)

Factors (blue box)

$(n+2)(n+5)$

Annotations: 1×10 and 2×5 with arrows pointing to the **Add to** box.