

Show each step in the factoring process, and highlight/circle/box the final factored form.

<p>Station 1: Using the steps provided and the examples on the board, as a small group, completely <u>factor 5</u> expressions (you choose). Dividing and Conquering is NOT permitted. Each problem should be done together as a group!</p>		$12a^2b^2 - 3ab$
$4x^2 - 9$	$x^2 - 16y^2$	$x^2 - 4x + 2xy - 8y$
$x^2 - 9x + 20$	$9x^2 - 12x + 4$	$8x^3 - x^2$

<p>Station 2: Now you are working with a side by side partner. Again, Dividing and Conquering is NOT permitted. You can work together on each problem or separately, but make sure that you do not move on to the next problem until both of you agree on the solutions. <u>Choose 5</u> to solve.</p>		$x^2 + 49 = 0$
$16x^3 + 16x^2 + 3x = 0$	$x^2 + 18 = 9x$	$6x^2 + 13x + 6 = 0$
$3x - 2 = -2x^2$	$5x^2 - 22x - 15 = 0$	$-12x = -9x^2 - 3x^3$

Station 3: Independent Time. You are to be silent and working on this by yourself. Complete as many as possible. If you need further assistance, please move to the back table.		$x^2 + 3x - 28 = 0$
$x^2 - 8x = -16$	$4x^2 - 7xy + 3y^2$	$x^3 - xy + x^2 - y$
$8x^2 - 2 = 6x$	$24x^2 = 11x^3 - x^4$	$6x^4y^5 - 2x^2y^3 + 14x^3y^4$

Every procedure must be adapted for unique situations. Were there any expressions that represented a unique situation? Explain below how you adapted the 5 step procedure in those cases.
