

Name: Kley
8A: Algebra 1

Date: _____
Period _____

Do Now

Factor each of the following and state the method used:

1) $4x^2 + 2x + 20xy =$

$(2x)(2x + 1 + 10y)$

Method: Greatest Common Monomial Factoring
(GCMF)

2) $g^2 - 25 =$

$(g - 5)(g + 5)$
Conjugates

Method: Difference of Perfect Squares
(DOPS)

3) $81 - y^2 =$

$(9 - y)(9 + y)$
Conjugates

Method: Difference of Perfect Squares
(DOPS)

4) $\overset{m}{x^2} + \overset{A}{5x} - \overset{ms}{24} =$

$(x + 8)(x - 3)$

Method: Trinomial Factoring
(MAMS)

5) $\overset{m}{2x^2} + \overset{A}{9x} + \overset{ms}{4} =$

$\frac{(2x + 8)(2x + 1)}{2 \quad 2}$

Method: Trinomial Factoring
(Tricky Tri)

$(x + 4)(2x + 1)$