

Name: _____ Date: _____ Period: _____

Algebra 1B Practice quiz on factoring by grouping

Factor by grouping

1) $12x^3 + 2x^2 - 30x - 5$

2) $16mn - 4m^2 + 28n - 7m$

3) $4xy - x + 6 - 24y$

4) $12x^2u + 3x^2v + 28yu + 7yv$

5) $12bc - 4bd - 15xc + 5xd$

6) $63n^3 + 54n^2 - 105n - 90$

1) _____

2) _____

3) _____

4) _____

5) _____

6) _____

7) x=_____ y=_____

EC) _____

Solve the equations by grouping and using the property of zero

7) $28xy + 20y + 25 + 35x = 0$

EC) $12p^3 - 21p^2 + 28p - 49 = 0$