

Name : _____

Factoring Polynomials

Sheet 1

Factorize each polynomial by grouping.

1) $pq + 2q^2 - 7p - 14q$

2) $6a^4 - 3a^3 + 4a^2 - 2a$

3) $s^9 - 2s^6 - 16s^3 + 3$

$y + 2x^3y + 3x + 6$

5) $g^3h^3 - 5g^2h - 4gh$

$- 6cd$

7) $m^2n - 5m^2 - 9mr$

5

9) $18v^8 + 6v^7 + 9v^3 + 3v^2$

10) $2(n + 1)^3 - 12(n + 1)^2 + 3(n + 1) - 18$

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